Environmental Protection Agency Internet Information

EPA Region 2

While Freedom of Information Act (FOIA) requests will be honored by directly writing to Region 2, EPA provides an increasing amount of environmental media information, and other Regional activities via Internet at http://www.epa.gov.

Region 2 has provided a FOIA Web site http://www.epa.gov/region02/foia/ with several online databases from which the environmental information can be retrieved.

• "Frequently FOIAed Files" Web site http://www.epa.gov/region02/foia/fff.htm covers RCRA and many other media Programs. Through this Web site, you can learn about each media Program, associated databases, and special points of interest. In particular, the ability to "directly download" all of the most commonly requested Region 2 Export Files (.xls) and Reports (.pdf) - all compressed for quicker downloading.

EPA Region 2 has established a **list of contaminated facilities** that are a high priority for cleanup in New York, New Jersey, Puerto Rico and the U.S. Virgin Islands. You can view each facility fact sheet at http://www.epa.gov/region02/cleanup/sites/

EPA- Headouarters

- Envirofacts Data Warehouse Web site http://www.epa.gov/enviro/index.html is a one-stop source to the environmental information. This Web site provides access to several EPA databases with information about environmental activities that may affect air, water and land anywhere in the United States.
- "My Environment" Web site http://www.epa.gov/myenvironment is a powerful tool that provides a wide range of federal, state and local information about environmental conditions and futures in an area of your choice.
- The Enforcement and Compliance History Online (ECHO) Web site http://www.epa.gov/echo/ provides a list of all inspections and enforcement under most of the environmental statutes.
- Right-To-Know Network (RTK Net), a non-EPA Web site http://www.rtknet.org/ online query engine provides free access to numerous databases and resources on environment.
- National Biennial RCRA Hazardous Waste Report Web site
 http://www.epa.gov/epaoswer/hazwaste/data/biennialreport/index.htm provides documents and data on hazardous waste reports.
- Conditionally Exempt Small Quantity Generators Web site http://www.epa.gov/osw/hazard/generation/cesqg.htm provides information on Conditionally Exempt Small Quantity Generators.





Howmedica Osteonics Corp. PH 4: 31 Safety & Environment 359 Veterans Blvd. PAGRANS BRANCH Rutherford, NJ 07070-2584

Main # (201) 507-7300 Direct # (201) 507-7502 Fax # (201) 507-7885

May 13, 1999

United States Environmental Protection Agency Air and Waste Management Division Attention RCRA Notifications 290 Broadway – 21st Floor New York, New York 10007-1866

Re: 359 Veterans Boulevard, Rutherford, New Jersey ID# NJD052077682

Dear Sir/Madam:

Please be advised that Stryker Acquisition Corp., the operator of the above facility, has been merged into Osteonics Corp., which has changed its name to Howmedica Osteonics Corp. Stryker Acquisition Corp. previously filed a EPA form 8700-12 Notification of Regulated Waste Activity for the facility. Attached please find a revised EPA form 8700-12 indicating the change.

Kindly revise your records for the registration for the facility to reflect the name change. Should you have any questions, please do not hesitate to contact me at (201) 507-7502.

Very truly yours.

John F. Zajac

Manager, Safety and Environmental Engineering

Facilities Team

cc: David A Roth, Esq. Michael Caffrey, Esq. file



CORPORATION

2725 Fairfield Road Kalamazoo, Michigan 49002

Mail to: P.O. Box 4085 Kalamazoo, MI 49003-4085 (616) 385-2600 AGENCY RO II

98 DEC - 1 AM 10: 31

FROGRAMS BRANCO

DAVID J. SIMPSON

Vice President, Chief Financial Officer and Secretary

November 18, 1998

United States Environmental Protection Agency Air and Waste Management Division Attention: RCRA Notifications 290 Broadway - 21st Floor New York, NY 10007-1866

Stryker Acquisition Corporation
Notification of Regulated Waste Activity
359 Veterans Boulevard, Rutherford, New Jersey
ID Number NJD052077682

Dear Sir/Madam:

Enclosed please find a completed "Notification of Regulated Waste Activity" form 8700-12 filed on behalf of Stryker Acquisition Corporation for the location at 359 Veterans Boulevard, Rutherford, New Jersey. The former owner, Howmedica Inc., has filed a "Request to Deactivate EPA ID Number" with the New Jersey Department of Environmental Protection. It is our understanding that the same ID Number will now be assigned to Stryker Acquisition Corporation for this same location.

Should you have any questions, please feel free to call Jack Czajkowski (201-825-4900) prior to December 4, 1998 and John Zajac (201-507-7502) thereafter.

Sincerely,

Stryker Corporation

Enclosure cc: NJDEP

HWR-001 3/95

State of New Jersey Department of Environmental Protection Manifest Section CN 421, 401 East State Street Trenton, New Jersey 08625-0421

AGENCY RO II

98 NOV 19 AM 9: 35

HAZARDOUS & SULU PROGRAMS BRANCH

"Request to Deactivate EPA ID Number"

EPA ID No. NJD	052077682						
Company Name:	Howmedica Inc.			Α			
Site Address:	359 Veterans Bouleva	ard	Rutherford				
	(stre	et)	(city/	town)			
1	New Jersey	07070	219.02	68.06			
	(state)	(zip cede)	(lot)	(block)			
Mailing Address:	359 Veterans Bou	levard	Rutherford				
9	(street / p.o.	box)	(city / town)				
	New Jersey		07070				
	(state)		(zip code)				
Company Contact	Jöhn F. Zajac	(201) 507-7502					
	(name)		(area code and phone	number)			
The EPA II The site has Other The	facility is to be	ned for a one time A cleanup (indica	cleanup which is compl).			
reac	ctivation of ID num	er under its ow	n.				
	ly occupied? (circle		t page (pink copy) for yo	ur records.			
Jôhn F. Zaja (prin	ted name)	- 20	(aignature)				
	y and Environmental	Engineering	10/4/98 (date)	_			

Submission of false information is a violation of N.J.A.C. 7:26-5.6 and N.J.A.C. 7:26-7.3.

copies: White - Manifest Section Yellow - USEPA Region II

Pink - Applicant



U.S. EPA AGENCY RO II

98 NOV 19 AM 9: 35

PROGRAMS BRANCH

Howmedica Inc. Pfizer Hospital Products Group 359 Veterans Blvd. Rutherford, N.J. 07070-2584 Main # 201 507 7300

Howmedica

November 3, 1998

New Jersey Department of Environmental Protection **Manifest Section** CN 421 401 East State Street Trenton, New Jersey 08625-0421

re:

Howmedica Inc., Rutherford, New Jersey

Deactivation of US EPA Hazardous Waste Generator ID Number

D0520077682

Dear Sir/Madam:

Enclosed please find a completed "Request to Deactivate EPA ID Number" on behalf of Howmedica Inc, Rutherford, New Jersey. Howmedica Inc seeks to deactivate this number as of December 4, 1998 because the facility to which this ID Number applies is being sold to Stryker Acquisition Corp.

Should you have any questions concerning the above, please call me at (201) 507-7502.

Sincerely,

John F. Zajac

Manager, Safety and Environmental Engineering

Enclosure

CC: **US EPA**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II 26 FEDERAL PLAZA NEW YORK. NEW YORK 10278

JUN 0 1 1990

Mr. John F. Zajac Safety Engineer Howmedica 359 Veterans Avenue Rutherford, New Jersey 07070

Re: Howmedica

EPA I.D. No.

NJD052077682

Dear Mr. Zajac:

Your submittal in response to the warning letter dated May 16, 1990 has been deemed satisfactory. Your facility has been entered in our Data Management System as having been in physical compliance with the original violation cited in the above referenced letter. However, as indicated in your May 25, 1990 letter, Howmedica had failed to maintain a copies of the LDR notifications which accompanied manifests NJA0260595, NYA7516971 and NYA5676894 in it's files. Failure to maintain such records is a violation of 40 C.F.R. § 268.7(a)(6). Therefore, Howmedica is considered to have been in violation of 40 C.F.R. § 268.7(a)(6) at the time of the February 20, 1990 inspection by NJDEP. This matter can now be considered concluded and the enforcement action resolved.

Please be advised your facility is under the continuing obligation to comply with all the applicable state and federal regulations regarding the management of hazardous waste. Subsequently, if your facility should be found in violation of any regulation in the future, you may be subject to an enforcement action, and possibly monetary penalties. If you have any questions contact James Sullivan at (212) 264-6150.

Sincerely yours,

George Meyer, P.E., Chief

Hazardous Waste Compliance Branch

cc: Wayne Howitz, Assistant Director

Hazardous Waste Enforcement Element

New Jersey Department of Environmental Protection

401 East State Street

Trenton, New Jersey 08625-0028

bcc: L. Livingston, PAB

G. Meyer, AWM-HWC

J. Sullivan, AWM-HWC



Handler Information



HOWMEDICA OSTEONICS CORP

RUTHERFORD

NJD052077682

Select the information to process:

	Basic Hand	dler Information				15:47:41
Handler Id	Handler Name	Facility Identifier	Extract Flag	Region	State	Universes
NJD052077682	HOWMEDICA OSTEONICS CORP		X	02	NJ	▼

Previous Name Information							
Act Loc	Receive Date	Handler Name					

	Location Address Information									
Act Loc	Street No.	Street	City	County	State	Zip	Land Type	State District		
NJ	359	VETERANS BLVD	RUTHERFORD	BERGEN	NJ	07070	Р	METRO		

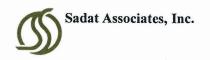
	Mailing Address Information										
Act Loc	Street No.	Street	City	County	State	Zip					
NJ	359	VETERANS BLVD	RUTHERFORD	BERGEN	NJ	07070					

Contact Information									
Act Loc	Туре	Title	First Name	Last Name	Phone	Street	City	State	Zip
NJ	N	MGR ENV ENGR	JOHN	ZAJAC	2015077502	359 VETERANS BLVD	RUTHERFORD	NJ	07070

					Owner Informati	on			Add Owner	
Act Loc	Seq	Indicator	Туре	Change Date	Owner/Operator Name	Phone Street		City	State	Zip
NJ	1	РО	Р	12/04/1998	OWNERNAME	2125551212	NOT REQUIRED	NOT REQUIRED	WY	99999
NJ	2	PO	Р	05/13/1999	STRYKER ACQUISITION CORP	6163852600	2725 FAIRFIELD RD	KALAMAZOO	МІ	49002
NJ	3	со	D		HOWMEDICA OSTEONICS CORP	2018254900	59 RTE 17	ALLENDALE	NJ	07401

	Operator Information						Add Operator			
Act Loc	Seq	Indicator	Туре	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip

	Miscellaneous Information										
Act Loc	Second Id	Previous Id	Accessibility	Ack Flag	Ack Date	TSD Date	Non-notifier	Off-site receipt	River Basin		
NJ					05/31/1999				013310		



February 2, 2001

Jack Hoyt AWMD USEPA, Region II 290 Broadway, 22nd Floor New York, NY 10007-1866 A Partner to Clients with
Environmental Needs

ROGENAMS

BRANCH

2: 52

Re: Notification of Regulated Waste Activity / Request for EPA ID Number Former Howmedica, Inc. Site, 359 Veterans Boulevard, Rutherford, NJ 07070

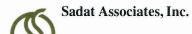
Dear Mr. Hoyt:

Enclosed, please find a completed Notification of Regulated Waste Activity. This notification is being provided in order to obtain an EPA ID Number for the disposal of hazardous groundwater generated during monitoring well installation and sampling activities at the former Howmedica, Inc. Site at 359 Veterans Boulevard, Rutherford, New Jersey.

On December 4, 1998, Pfizer Inc ('Pfizer") sold all of the New Jersey assets of its Howmedica, Inc. orthopaedic device business to Stryker Corporation ("Stryker"). This sale of assets included several real properties, one of which was located at 359 Veterans Boulevard, Rutherford, New Jersey ("Former Howmedica, Inc. Site"). Pursuant to a remediation agreement dated December 3, 1998 between Pfizer and the New Jersey Department of Environmental Protection ("NJDEP"), Pfizer is responsible for implementing the requirements of the Industrial Site Recovery Act ("ISRA") in conformance with New Jersey law and regulation. The Former Howmedica, Inc. Site is currently owned and operated by Howmedica Osteonics Corporation.

As part of the remedial activities being performed at the Site by Pfizer, groundwater monitoring wells have been installed, and well development and purgewater has been generated. Some of the groundwater which has been removed via the monitoring wells contains levels of vinyl chloride and possibly 1,1-dichloroethene above the hazardous waste regulatory levels. Although Pfizer no longer performs manufacturing activities at the Site, Pfizer requires the use of an EPA ID Number in order to properly dispose of the hazardous groundwater. This EPA ID number will be used for the disposal of groundwater and other potential wastes generated during Pfizer's remedial activities.

Please note that this new EPA number that is being requested by Pfizer Inc will not replace the EPA ID number (NJD052077682) that was formerly used by Howmedica, Inc. and is now being used by the current property owner and operator, Howmedica Osteonics Corporation. Howmedica Osteonics Corporation will continue to use EPA ID No. NJD052077682 to dispose of wastes generated by its manufacturing operations at the site.



Mr. Hoyt February 2, 2001 Page 2

If you have any questions, please do not hesitate to contact me at 609-987-2500.

Sincerely,

SADAT ASSOCIATES, INC.

Tavia Rutledge Project Manager

Enclosure.

Cc: James Scott, Esq.

Merrill Fliederbaum, Esq.

George Hollerbach Steven Kemp Please print or type with ELITE

To avoid delays in processing, please complete and sections.

Only original signature of the Generator is acceptable.

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Register Act.)

EPA

Notification of Regulated Waste Activity

Date Received (For Official Use Only)

and Recovery Act). United States Environmental Protection Agency L Installation's EPA ID Number (Mark X' in the appropriate box) C. Installation's EPA ID Number B. Subsequent Notification A: First Notification (Complete item C) IL Name of Installation (Include company and specific site name) R.M. E.R. HOWMEDI S III. Location of Installation Requires Building Number or Latitude and Longitude for processing Street B 3 S 9 O. Street (Continued) State Zip Code City of Town 01.7 R. U O. COUNTY **County Name** B E-003. E.R. IV. Installation Malling Address PFIZER INC Street or P.O. Box SHIT 3 Zip Code City or Town State 0 0 N. E 7:10 RK. V. Installation Contact (Person to be contacted regarding waste activities at site) Name (Last) (First) . . . E E VIE Phone Number (Area Code and Number) Job Title P: | . R NG 2 5 N VI. Installation Contact Address B. Street or P.O. Box **Location Mailing Other** State Zio Code City or Town VIL Ownership PROPERTY A. Name of Installation's Legal Owner :0.5 T. E Street, P.O. Box, of Route Number 3-15 State Zip Code City or Town 0 U O Chan Phone Number (Area Code and Number) Month

0

0

VIII. Type of Regulated Waste Activity (Mark X' in the appropriate boxes; Refer to instructions) A. Hazardous Waste Activity B. Used Oil Recycling Activities 1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (200-2,200 lbs.) c. Less than 100 kg/mo (200-2,200 lbs.) Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes ID - For Official Use Only B. Used Oil Recycling Activities 1. Used Oil Fuel Marketer installation) Note: A permit is required for this activity, see instructions. 4. Hazardous Waste Fuel a. Generator Marketing to Burner b. Oil Meets the Specification Burner Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device(s) a. Generator Marketers c. Boiler and/or Industrial Furnace b. Industrial Boiler	41-3		Form Approved. OMB No. 2050-0028 Expires 9.
A. Hazardous Waste Activity 1. Generator (See Instructions) 1. Later (See Instructions) 1. La		Please print or type with ELITE type (12 characters per mich) in the unshaded area	
A. Hazardous Waste Activity 1. Generator (See Instructions) 1. Lace Constructions			
1. Generator (See Instructions) 2. a. Greater than 1000kg/mo (2,0200 lbs.) 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions. 4. A transporter (indicate Mode in boxes 1-5 box) 5. C. Less than 100 kg/mo (2020 bs.) 6. Less than 100 kg/mo (220 bs.) 7. Less than 100 kg/mo (220 bs.) 8. Or own waste only 8. For communication marketing to Burner 9. On the Official Mode in boxes 1-5 box (indicate Mode in box (indicate Mode i	-	VIII. Type of Regulated Waste Activity (Mark X' in the appropriate boxes; Refe	er to instructions)
a. Greater than 1000kg/mo (22,00 bs.) b. 100 to 1000 kg/mo (200,200 bs.) c. Less than 100 kg/mo (202,00 bs.) c. Less than 100 kg/mo (202,00 bs.) c. Less than 100 kg/mo (202,00 bs.) c. Less than 100 kg/mo (220 bs.) c. Less than 100		A. Hazardous Waste Activity	B. Used Oil Recycling Activities
S. Underground Injection Control B. Process B. Re-refine	RANS- DETER SNLY	a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (200-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) 7. Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify installation) Note: A perm required for this activity; sinstructions. 4. Hazardous Waste Fuel a. Generator Marketing to b. Other Marketers c. Boiler and/or Industrial 1. Smelter Deferral 2. Small Quantity Expendicate Type of Combusting Company of Co	a. Marketer Directs Shipment of Used Oil to Off-Specification Burner b. Marketer Who First Claims the User Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device(s) a. Utility Boiler b. Industrial Boiler c. Industrial Boiler c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
X. Description of Hazardous Wastes (Use additional sheets if necessary) A. Characteristics of Nonlisted Hazardous Wastes. (Mark X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24) 1. Ignitable 2. Corrosive 3. Reactive (10003) (10		5. Underground Injection Co	ontrol a Process
A. Characteristics of Nonlisted Hazardous Wastes. (Mark X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24) 1. Ingritable 2. Corrosive 3. Reactive 4. Toxicity (D001) (D003) (D		IX. Description of Hazardous Wastes (Use additional sheets if necessary)	The results
Cool) (0002) (0003) Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s)		A. Characteristics of Nonlisted Hazardous Wastes. (Mark X' in the boxes corres	
C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number, See instructions.) 1 2 3 4 5 6 X. Certification 1 certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel property gather and evaluate the information submitted is, to the best of my knowledge and belief, true, accurate, and comple I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature ORIGINAL Name and Official Title (Type or print) Date Signed STEVEN F. Kenny MANAGEN — REMANIATION 1/31/01		(D001) (D002) (D003) Characteristic (List specific EPA hazardo	D 0 4 3
C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number, See instructions.) 1 2 3 4 5 6 X. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief; two, accurate, and comple I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature ORIGINAL Name and Official Title (Type or print) Date Signed Steven F. Kenn Manager — Remainaries 1/31/01		B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you n	eed to list more than 12 waste codes.)
X. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel property gather and evaluate the information submitted. Based on my inquity of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and comple I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature original Name and Official Title (Type or print) Date Signed STEVEN F. KEND MANAGEN - REPERBIATION 1/31/01	(
X. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complet I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature ORIGINAL Name and Official Title (Type or print) Date Signed STEVEN F. KERR 1/31/01		C. Other Wastes. (State or other wastes requiring a handler to have an I.D. num	ber, See instructions.)
I certify under penalty of taw that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the Information, the Information submitted is, to the best of my knowledge and belief, true, accurate, and complet I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature ORIGINAL Name and Official Title (Type or print) Date Signed STEVEN F. KEND 1/31/01		1 2 3 4	5 6
assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complet I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature ORIGINAL Name and Official Title (Type or print) Date Signed STEVEN F. KENN MANAGEN - REMEDIATION 1/31/01		X. Certification	
Steven F. Kemp STEVEN F. KENP 1/31/01	7	assure that qualified personnel properly gather and evaluate the information submitted. Based those persons directly responsible for gathering the information, the information submitted is, to I am aware that there are significant penalties for submitting false information, including the p	on my inquiry of the person or persons who manage the system, the best of my knowledge and belief, true, accurate, and complet ossibility of fine and imprisonment for knowing violations.
XL Comments		Steven F. Kemp STEVEN F. KEMP MANAGEN - REM	1/31/01
		XI. Comments	

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.) EPA Form 8700-12 (Rev. 11-30-93) Previous edition is obsolete.

Howmedica

359 VETERANS BOULEVARD • RUTHERFORD, NEW JERSEY 07070 • (201) 507-7300

May 25, 1990

United States Environmental Protection Agency Region II 26 Federal Plaza New York, New York 10278 Mr. George C. Meyer, P.E. Chief Hazard Waste Compliance Branch

Good Morning:

I am responding to your Warning Letter dated May 16, 1990 concerning alleged violations of 40 CFR 268.7(a) (1) as a result of an inspection conducted by the State of New Jersey .

letter indicates that manifest copies NJA7516371. NJA5676894 and NJA0260595 were found to be without LDR notifications. A discussion with Mr. James Sullivan of your staff and a check of our internal records indicates that the particular manifest copies concerning this matter are NYA7516971, NYA5676894 and NJA0260595. I will address matters concerning these manifests.

Attached please find copies of the applicable LDR notifications submitted to the disposal sites. All other shipments have the appropriate LDR notifications attached with records retained with the manifest at the plant. It is also our intention to continue to comply with this regulation in the future by submitting the required LDR notifications and retaining a copy with the manifest.

I hope that this satisfactorily answers the questions you pose in your letter and satisfies the requirements of the regulation. Should you have any further questions or require more information please do not hesitate to contact me at (201) 507-7502, by FAX at (201) 507-7885 or by mail.

Sincerely yours,

John F. Zajac Safety Engineer



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II 26 FEDERAL PLAZA NEW YORK. NEW YORK 10278

MAY 16 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John F. Zajac Safety Manager Howmedica 359 Veterans Boulevard Rutherford, New Jersey 07070

Re: Howmedica

EPA I.D. No. NJD052077682

Dear Mr. Zajac:

This Warning Letter is issued pursuant to Section 3008 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976 ("RCRA") and the Hazardous and Solid Waste Amendments of 1984 ("HSWA") 42 U.S.C. §§ 6901, 6928.

Pursuant to HSWA, EPA promulgated regulations on November 7, 1986, which prohibited the land disposal of restricted waste. 51 Fed. Req. 40,572 (November 7, 1986). These regulations are published in 40 C.F.R. Part 268, and amend various sections of 40 C.F.R. Parts 260-265 and 270. They became effective on November 8, 1986.

The State of New Jersey is authorized by EPA to conduct a hazardous waste program under Section 3006 of RCRA, 42 U.S.C. § 6926. However, the authorized State program does not include provisions of HSWA, and regulations promulgated thereunder. EPA has the sole authority to implement and enforce regulations promulgated pursuant to HSWA, including the land disposal restrictions ("LDR").

On or about February 20, 1990, a duly authorized representative of EPA conducted an inspection of Howmedica, Rutherford, New Jersey, pursuant to Section 3007 of RCRA, 42 U.S.C. § 6927. During this inspection, the inspector noted that:

1. 40 C.F.R. § 268.7(a)(1) which is one of the provisions of the LDR, has been violated. Section 268.7(a)(1) requires the following:

Before a generator offers waste subject to the LDR to a treatment facility, the generator must notify the treatment facility in writing of the appropriate treatment standards set forth in Subpart D of 40 C.F.R. Part 268

The notice must include the following information:

(i) EPA Hazardous Waste Number;

- (ii) The corresponding treatment standards and all applicable prohibitions set forth in § 268.32 or RCRA Section 3004(d);
- (iii) The manifest number associated with the shipment of waste; and
 - (iv) Waste analysis data, where available.

At the time of the above referenced inspection, manifest copies NJA7516371, NJA5676894 and NJA0260595 were found to be without the required LDR notifications. Be advised that EPA requires adherence to its regulations. If you have not already done so, you must take immediate remedial action to implement the regulations published in 40 C.F.R. Part 268. You must submit, within thirty (30) days of the receipt of this letter, documentation, and a description of the actions you have taken to correct the violations noted above and to implement the regulations published in 40 C.F.R. Part 268.

Failure to comply with the requirements of this Warning Letter may subject you to penalties of up to twenty-five thousand dollars (\$25,000) for each day of noncompliance in accordance with Section 3008 of RCRA, 42 U.S.C. § 6928.

If you have any questions regarding this matter, please contact Mr. James Sullivan, at (212) 264-6150.

Sincerely yours,

George &. Meyer, P.E., Chief

Hazardous Waste Compliance Branch

CC: Wayne Howitz, Assistant Director Hazardous Waste Enforcement Element New Jersey Department of Environmental Protection 401 East State Street Trenton, New Jersey 08625-0028

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID AND HAZARDOUS WASTE HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

WASTE MANIFEST MO D 05 2 0 77 6882						50-0039. Expire	
	Manifest Documen	t No.	2. Pa	ge 1 Info	ormation not requ	n in the shad	ted a
3. Generator's Name and Mailing Address 10000001C3 359 VETERAKS BLVD. RUTHERFORD, H.J. 07070 4. Generator's Phone (201 507-7380	731 6		B. Ger	te Manifes VY A nerator's ID	51	697	1
5. Iransporter 1 (Company Name) 6. US EPA ID Number		-					71
	82 66	283		te Transporter's I		201 4	
7. Transporter 2 (Company Name) 8. US EPA ID Number				e Transpor		/	
9. Designated Facility Name and Site Address 10. US EPA ID Number	$\perp \perp \perp$			sporter's F)	
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Chemical Waste Management, Inc.

New York Transportation P.O. Brix 200 1550 Balmer Road Model City, New York 14107 716/754-8231 800/272-7775 FAX: 716/754-2296

TELECOPY

DATE.

5/22/90

FAX #: (201)507 -7855

TO.

Doug Kupwa

FROM:

Donna Ames

RE: Lan Ban Notice

NUMBER OF PAGES 4 (including cover)

IF YOU ARE NOT RECEIVING OUR COPIES, PLEASE INFORM US IMMEDIATELY. THANK YOU. 1-800-272-7775 or 716-754-8231

CWM, NEW YORK TRANSPORTATION

MODEL CITY, NY

FAX: 716-754-2296

SPENT SOLVENT WASTE

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator Name: HOWMEDICA CWMI Profile Number: 113533 Manifest Number: NYA 75/697/ EPA ID Number NJD052077682

This form is submitted to CHEMCIAL WASTE MANAGEMENT regulations published by EPA at 40 CFR Part 268, which govern the land disposal of restricted hazardous waste identified above has been listed as a restricted waste by EPA under the Part 268 regulations. In accordance with the waste analysis and recordkeeping requirements set forth at-40 CFR 268.7, I have marked the appropriate box below to indicate how my waste must be managed to conform to the regulations. (See instructions on reverse side for marking appropriate box).

RESTRICTED WASTE REQUIRES TREATMENT

The waste identified above must be treated to the appropriate standard **X**1. identified in 40 CFR 268 Subpart D.

RESTRICTED WASTE TREATED TO PERFORMANCE STANDARD

The waste identified above has been treated, the treatment residues have 1 2. been tested in accordance with the facility WAP, and the residues have been found to meet the performance standards specified in 40 CFR Part 268 Subpart D. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon ey inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to achieve the performance levels specified in 40 CFR Part 268 Subpart D without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and

RESTRICTED WASTE NATURALLY HEETS THE TREATMENT STANDARDS

The waste identified above naturally meets the performance standards of 40 CFR Part 268 Subpart D, without any treatment being performed.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

RESTRICTED WASTE SUBJECT TO VARIANCE

4.	subject to a case-buscus	e is not banned from land disposal since it is extension under 40 CFR 268.5, a petition under variance under Subpart C, or another exemption	S
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Complete	certify that all	he best of my knowledge SAPETY ENGINEER	this and associated and information.	documents is
Signature	- ZAJEC	SAFETY ENGINEER	Da	-5/30/89
	*		Ua	re .

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator Name: HOWMEDICA CWMI Profile Number: 662874

EPA ID Number: NJD052077682 Manifest Number: NVA 75/69

This form is submitted to CHEMCIAL WASTE MANAGEMENT in accordance with regulations published by EPA at 40 CFR Part 268, which govern the land disposal of certain untreated hazardous wastes. The hazardous waste identified above is one of the "California List" wastes under EPA's Part 268 regulations. In accordance with the waste analysis and recordkeeping requirements specified by EPA at 40 CFR 268.7, I have marked the appropriate box below which indicates how my waste must be managed to conform to the land disposal ban regulations. (See instructions on reverse side for marking appropriate box.)

RESTRICTED WASTE REQUIRES TREATMENT

I am the initial generator of an untreated waste identified above which must be treated to the appropriate treatment standard set forth in 40 CFR 268 Subpart D, or where no treatment standard exists for the California List waste, the waste must be treated to the levels specified under 40 CFR 268.32.

RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

The waste identified above has been treated in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D and/or the applicable prohibitions set forth in 40 CFR 268.32. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 of RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

RESTRICTED WASTE SUBJECT TO VARIANCE

	The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a no-migration
	petition under 40 CFR 200.0, 2 Hattonwide variance under Subsant C
*	another exemption which expires on

I hereby	certify	that	all	inform	atio	oin	submit	ted	in	this	and	all	associ	ated
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ALTHUM E. TAJAC

SAFETY ENGINEER

Title

5/30/89

-CHEMICAL WASTE MANAGEMENT, INC.-

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator Name: HOWMEDICA	CWMI Profile Number: 662872
This form is sub-less.	Manifest Number: NYA 7516971

This form is submitted to CHEMCIAL WASTE MANAGEMENT in accordance with regulations published by EPA at 40 CFR Part 268, which govern the land disposal of certain untreated hazardous wastes. The hazardous waste identified above is one of the "California List" wastes under EPA's Part 268 regulations. In accordance with the waste analysis and recordkeeping requirements specified by EPA at 40 CFR 268.7, I have marked the appropriate box below which indicates how my waste must be managed to conform to the land disposal ban regulations. (See instructions on reverse side for marking appropriate box.)

RESTRICTED WASTE REQUIRES TREATMENT

I am the initial generator of an untreated waste identified above which must be treated to the appropriate treatment standard set forth in 40 CFR 268 Subpart D, or where no treatment standard exists for the California CFR 268.32.

RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

The waste identified above has been treated in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D and/or the applicable prohibitions set forth in 40 CFR 268.32. "I certify under penalty of law that I have personally examined and am familiar with the port this certification and operation of the treatment process used to supduals immediately responsible for obtaining this information, I believe as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 of aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

RESTRICTED WASTE SUBJECT TO VARIANCE

(3)		75.
(2)	- 1	Inc waste identified above is any house
		The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a no-migration under 40 CFR 268.6, a nationwide variance and
		nesistant a tase by case extension under 40 CFP 260
		peciales under 40 CFR 268.6. a nationwide ter 208.3, a no-migration
		petition under 40 CFR 268.6, a nationwide variance under Subpart C, or
		rates expires on

JOHN F. ARTIC	and accurate to the best of m	y and intermetion.
Signature	SAFETY ENGINEER Title	5/30/89



4 STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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Prin	nted/Typed Name	Signature		Pr as noted in	1 118111 19.	
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19.	Discrepancy Indication Space					111
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	7. Transporter 2 (Company Name)	8. US EPA ID Number			nsporter's ID	
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	3. Generator's Name and Mailing Address			A. State Ma	ınıfest D <u>oc</u> ume	nt No.
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COPY 8—Generator—retained by generator

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator	Name: HOWMEDICA	LAB PACK Number:	EPA D002
EPA ID Nu	mber: NJD052077682	Manifest Number:N	
of the "C with the 268.7, I be manage	is submitted to RADIAC RESE as published by EPA at 40 CFR Pa antreated hazardous wastes. The California List" wastes under EP waste analysis and recordkeeping have marked the appropriate box d to conform to the land disposa ide for marking appropriate box.)	CARCH CORP in rt 268, which govern the hazardous waste identifi A's Part 268 regulations. requirements specified to below which indicates had been recombet to the contract of	accordance with land disposal of ed above is one In accordance by EPA at 40 CFR
	RESTRICTED WASTE R	EQUIRES TREATMENT	
(1) _X	I am the initial generator of a must be treated to the appropria 268 Subpart D, or where no trea List waste, the waste must be CFR 268.32.	te treatment standard set	forth in 40 CFR
	RESTRICTED WASTE TREATED	TO PERFORMANCE STANDARDS	
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	RESTRICTED WASTE SU		
(3)	The waste identified above is a subject to a case-by-case exterpetition under 40 CFR 268.6, a another exemption which expires	nationwide wariance	osal since it is, a no-migration er Subpart C, or
			4
See	certify that all information	submitted in this and he best of my knowledge	all associated and information.
Signature	SAFETY	ENGINEER	5/25/90
		Title	Date

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

EMBRID'S

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

- (1) Free cyanides at concentrations greater than or equal to 1000 mg/l.
- (2) One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - Cadmium and/or compounds (as Cd) 100 mg/l;
 - c. Chromium VI and/or compounds (as CrVI) 500 mg/l;
 - d. Lead and/or compounds (as PB) 500 mg/l;
 - Mercury and/or compounds (as Hg) 20 mg/1;
 - f. Nickel and/or compounds (as Ni) 134 mg/l;
 - Selenium and/or compounds (as Se) 100 mg/1;
 - h. Thallium and/or compounds (as TH) 130 mg/l.
- (3) Liquid hazardous wastes having a pH less than or equal to two (2.0).
- (4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/I and less than 10,000 mg/l.
- (5) Polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50 ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

(A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.

(B) The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.

(C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.

(D) For wastes subject to deepwelk injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.

(E) Liquid and nonliquid HOCs (that are not wastewaters) in total concentrations greater than or equal to 1000 mg/kg. This variance expires 11/8/88.

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator	Name: HOWMEDICA	_ LAB PACK . Number:	EPA D002
EPA ID Nu	mber: NJD052077682	Manifest Number: <u>NYA</u>	
of the "(with the 268.7, I be manage	is submitted to RADIAC RESE on published by EPA at 40 CFR Production of the California List" wastes under E waste analysis and recordkeepin have marked the appropriate boad to conform to the land disposite for marking appropriate box.	ARCH CORP in art 268, which govern the less hazardous waste identified PA's Part 268 regulations. It is requirements specified by the below which indicates how	accordance with and disposal of d above is one In accordance EPA at 40 CFR
	RESTRICTED WASTE	REQUIRES TREATMENT	
(1) _X	I am the initial generator of must be treated to the appropri 268 Subpart D, or where no tre List waste, the waste must be CFR 268.32.	ate treatment standard set	forth in 40 CFR
,	RESTRICTED WASTE TREATED	TO PERFORMANCE STANDARDS	3
(2)	The waste identified above has cable performance standards sy the applicable prohibitions set penalty of law that I have per treatment technology and operate port this certification and the duals immediately responsible that the treatment process has as to comply with the perform Subpart D and all applicable p RCRA Section 3004(d) without aware that there are significant fication, including the possibility	been treated in compliance pecified in 40 CFR 268.32. "forth in 40 CFR 268.32. "sonally examined and am fation of the treatment procest, based upon my inquiry of for obtaining this information obtaining this information of the prohibitions set forth in 4 dilution of the prohibited the penalties for submitting lity of a fine and imprison	subpart D and/or I certify under miliar with the ss used to supf those indivition, I believe ned properly so CFR Part 268 CFR 268.32 of d waste. I am
(3)	RESTRICTED WASTE S		
	The waste identified above is subject to a case-by-case extended petition under 40 CFR 268.6, another exemption which expires	diston under 40 CFR 268.5,	sal since it is a no-migration : Subpart C, or
T			
Som	certify that all information	n submitted in this and he best of my knowledge a	all associated nd information.
Signature	(72 4- A	ENGINEER	5/25/90
		Title	Date

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

SPECIAL I

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

- (1) Free cyanides at concentrations greater than or equal to 1000 mg/l.
- (2) One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - b. Cadmium and/or compounds (as Cd) 100 mg/l;
 - c. Chromium VI and/or compounds (as CrVI) 500 mg/l;
 - d. Lead and/or compounds (as PB) 500 mg/1; e. Mercury and/or compounds (as Hg) 20 mg/
 - Mercury and/or compounds (as Hg) 20 mg/l;
 - f. Nickel and/or compounds (as Ni) 134 mg/l;
 - g. Selenium and/or compounds (as Se) 100 mg/l;
 - h. Thallium and/or compounds (as TH) 130 mg/1.

(3) Liquid bazardous wastes having a pH less than or equal to two (2.0).

(4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/l and less than 10,000 mg/l.

(5) Polychlorinated biphenyls (PCBs; at concentrations greater than or equal to 50ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

(A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.

(B) The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.

(C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.

For waste: subject to deepwell injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.

(E) Liquid an: nonliquid HOCs (that are not wastewaters) in total concentrations

greater than or equal to 1000 mg/kg. This variance expires 11/8/88.

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator	Name: HOWMEDICA	LAB PACK Numb	er: EPA D009
EPA ID Nu	mber: NJD052077682	Manifest Number:	
of the "(with the 268.7, I be manage	is submitted to RADIAC RESING published by EPA at 40 CFR Parameters of the California List" wastes under EPA waste analysis and recordkeeping have marked the appropriate box d to conform to the land disposation for marking appropriate box.)	EARCH CORP. rt 268, which govern t hazardous waste ident A's Part 268 regulation requirements specifies below which indicates	in accordance with he land disposal of ified above is one ons. In accordance ed by EPA at 40 CFR
	RESTRICTED WASTE RI	EQUIRES TREATMENT	
(1) X	I am the initial generator of a must be treated to the appropriate 268 Subpart D, or where no treat List waste, the waste must be to CFR 268.32.	tmont standard	set forth in 40 CFR
	RESTRICTED WASTE TREATED	TO PERFORMANCE STANDAR	DS
(2)	cable performance standards spet the applicable prohibitions set penalty of law that I have perstreatment technology and operation port this certification and that duals immediately responsible for that the treatment process has as to comply with the performance Subpart D and all applicable process as to comply with the performance Subpart D and all applicable process. Subpart D and all applicable process that there are significant fication, including the possibility	forth in 40 CFR 268.32 onally examined and artion of the treatment pt, based upon my inquior obtaining this info been operated and main not levels specified ohibitions set forth illution of the prohibit penalties for submitity of a fine and impressed.	8 Subpart D and/or "I certify under m familiar with the rocess used to supry of those indivironmation, I believe nationed properly so in 40 CFR Part 268 in 40 CFR 268.32 of bited waste. I am
(0)	RESTRICTED WASTE SUI	, W. C.	
(3)	The waste identified above is no subject to a case-by-case extenpetition under 40 CFR 268.6, a another exemption which expires of	ston under 40 CFR 268	isposal since it is 3.5, a no-migration under Subpart C, or
- Com	certify that all informatioin is complete and accurate to the	submitted in this are best of my knowleds	and all associated ge and information.
Signature	. ZAJAC SAFETY I	ENGINEER Title	5/25/90
	N N	TTOTE	Date

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

BHEMY'S

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

- (1) Free cyanides at concentrations greater than or equal to 1000 mg/l.
- (2) One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - b. Cadmium and/or compounds (as Cd) 100 mg/1;
 - c. Chromium VI and/or compounds (as CrVI) 500 mg/l;
 - d. Lead and/or compounds (as PB) 500 mg/l;
 - e. Mercury and/or compounds (as Hg) 20 mg/l;
 - f. Nickel and/or compounds (as Ni) 134 mg/l;
 - g. Selenium and/or compounds (as Se) 100 mg/l;
 h. Thallium and/or compounds (as TH) 130 mg/l.
- (3) Liquid hazardous wastes having a pH less than or equal to two (2.0).
- (4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/l and less than 10,000 mg/l.
- (5) Polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

- (A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.
- The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.
- (C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCIA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.
- (D) For wastes subject to deepwell injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.
- (E) Liquid and nonliquid HOCs (that are not wastewaters) in total concentrations greater than or equal to 1000 mg/kg. This variance expires 11/8/88.



Department of Environmental Protection Division of Waste Management CN 028, Trenton, NJ 08625

tease-print or type. (Form designed for use on elite (12-pitch) type	ewriter.)		Form Approx	red. OMB No. 2	050-0039. Expires 9-30-88
NIFORM HAZARDOUS WASTE MANIFEST 1. Generator's US WASTE MANIFEST		Modes (Council No.	2 Page 1	Information	n in the shaded areas ared by Federal law *
Generator's Name and Mailing Address					
HOWMEDICA CUCORPORATED 955 VETERMNS BLVD. RUTHERFURD, 4 Generator's Phone (201) 935-2100 ext 5	NEW JERSEY 0	7070	Document Numb B. State Gen. I	D SMIE	0260595
5. Transporter 1 Company Name	6 US EPA ID Number		C. State Trans	portor LID	
ATLAS ASSOCIATES	MADICA 12		1		
7. Transporter 2 Company Name	8 US EPA ID Number		D. Transporter	8477/6	020
,	1111111	111	(2面面)	684-002	24
Designated Facility Name and Site Address	10. US EPA ID Number	·	E. State Transp	orter, 2 ID	
MARISOL INC.			F. Transporter	s Phone	
125 FACTORY LANK			G. State Facility		
MIDDLESEX, HEW JERSEY 08846	MJ D 0 G 2 4 5	1544	H Facility's Pho		7 469-5100
11. US DOT Description (Including Proper Shipping Name, Hazard Clas	ss. and ID Number)	12 Contac	nors	13 1.4 Departity View	I. Waste No.
WASTE 1,1,1 TRICHLOROETHAME OF	M-A UN2831	007	071 00	385 (
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1 Additional Fo			1 1 1 1	111	
J. Additional Descriptions for Materials Listed Above L-F 1, 1, 1 TRICHLOROETHANE			K Handine	rodes for Wa	stea Listed Above
a WATER, OIL, GRIT (FOR RECOVERY)			TO4 .	المالية	,
			1404	GCON 17	
b.				1	
15. Special Handling Instructions and Additional Information			lı.	d	
A) TECHE 133 1,1,1,TRICHLOROET	HANE FOR RECOVE	EBA			
			TECRUSE	HILLIDIAD	TPD 255 M
		•-			
16. GENERATOR'S CERTIFICATION: I berefy declare that the second			de	real 20	1177
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consipacked, marked, and labeled, and are in all respects in proper condition for transposal applicable state laws and regulations.	gament are fully and accurately describe	ed above by profit	a shipping name and	I more breathed.	2-130
also certify that I have a program in place to reduce the volume and toxicity of waste the method of treatment, storage, or disposal currently available to me which numerited Name	generated to the degree thave determin	nzation certification and to be economic	rn under Section 300 ally practicable and	2(b) of RCRA, I I bave selected	
Printed/Typed Name	Signature C	human health an	d the environment		Date
JOHN F. ZAJA	South:	2		ì	Month Day Year
7. Transporter 1 Acknowledgement of Receipt of Materials	0	ful framewood	Commence of the second	THE RESERVE THE PARTY OF THE PA	CACCAL
Printed/Typed Name	Signature)	1-2-)			Date
MOGER DUNLAD	I K	l. 1	19 115	. 1	Month Day Year
E. Transporter 2 Acknowledgement of Receipt of Materials	0	, C.	<u>~_</u> }		a-dan I
rinted/Typed Name	Signature				Month Day Year
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*					2
U. Facility Owner or Operator Certification of acceptance					5
d. Facility Owner or Operator: Certification of receipt of hazardous materials co	overed by this manifest so cert as o	roted in Jean Ta			
ririted/Typa-kName	,		3.0	ſ	Date
Gregory A Pilato	Supplied 7	/	1 Lingin		Month Day rear
Chelon H I Halo	11111111	74 15	17/11	ا حے	1412015:36

SPENT SOLVENT WASTE

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

TECH. Number: _133

Generator Name: HOWMEDICA

EPA ID N	Number NJD052077682 Manifest Number: NJA0260595
regulati restrict by EPA u recordke box belo	in accordance with one published by EPA at 40 CFR Part 268, which govern the land disposal of the disposal of the part 268 regulations. In accordance with the waste analysis and the part 268 regulations. In accordance with the waste analysis and eping requirements set forth at 40 CFR 268.7, I have marked the appropriate with the conform to the regulations of the regulations tructions on reverse side for marking appropriate box).
•	RESTRICTED WASTE REQUIRES TREATMENT
$\lceil_{\mathbf{X}}\mid 1.$	The waste identified above must be treated to the appropriate standar identified in 40 CFR 268 Subpart D.
	RESTRICTED WASTE TREATED TO PERFORMANCE STANDARD
2.	The waste identified above has been treated, the treatment residues have been tested in accordance with the facility WAP, and the residues have been found to meet the performance standards specified in 40 CFR Par 268 Subpart D. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, base upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to achieve the performance levels specified in 40 CFR Part 268 Subpart D without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment".
	RESTRICTED WASTE NATURALLY MEETS THE TREATMENT STANDARDS
	The waste identified above naturally meets the performance standards of 40 CFR Part 268 Subpart D, without any treatment being performed.
	I certify under penalty of law that I personally have examined and as familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment. RESTRICTED WASTE SUBJECT TO VARIANCE
1 4.	The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a petition under 40 CFR 268.6, a nationwide variance under Subpart C, or another exemption which expires on
I hereby complete	certify that all material submitted in this and associated documents is and accurate to the best of my knowledge and information.
JOHN F. Signature	5725/90
orguerate.	Title Date

material is the implesting rests alse it from

Mark Box 1 if you are the initial generator of a spent solvent waste specified in 40 CFR 261.31 as EPA Hazardous Waste Nos. F001, F002, F003, F004 and F005, and your waste is ineligible for a nationwide variance or other exemption from the November 8, 1986 prohibition date. (See below).

If Box 1 is marked, your solvent waste is restricted and must be treated to the standards set forth in the box below prior to land disposal. For each solvent waste present in your waste shipment, check the appropriate box in front of the applicable treatment standard(s). If based upon best knowledge and information, your waste shipment may contain some or all of the constituents listed below, please mark the appropriate boxes or the box labeled "All of the above" at the bottom.

Constituent Concentration in Waste Extract (CCWE) Table

4	Treatment S	tandard (mg/l)		
Solvent Constituent	Wastewaters	All Other Wastes		
Acetone	0.05	0.50		
n-Butyl alcohol	5.0	50		
Carbon disulfide	1 05	4.81		
Carbon tetrachionide	0.05	0.96		
Chlorobenzene	0.15	0.05		
Cresois	2.82	0.75		
Cresylic acid	2.82	0.75		
Cyclonexanone	0.125	0.75		
1.2-Dichlorobenzene	0.65	0.125		
Ethyl acetate	0.05	0.75		
Ethyl benzene	0.96	0.053		
Ethyl ether	0.06	0.75		
actutance	5.0	5.0		
Methanol	0.25	0.75		
Methylene chlonde	0.20	0.96		
Methylene chlonde (from pharmaceutical industry)	.44	0.90		
Methyl ethyl ketone	0.06	0.75		
Methyl isobutyl ketone	0.06	0.33		
Nitrobenzene	0.66	. 0.125		
Pyrdine	1.12	0.33		
Tetrachloroethylene	0.079	0.06		
Toluene	1.12	0.33		
1,1,1-Trichloroethane	1.06	0.41		
1.2.2-Trichloro-				
1,2,2-trifluroetharie	1.06	0.96		
Trichloroethylene	0.062	0.091		
Trichlorofluoromethene	0.06	0.96		
Xylene	0.06	0.15		
All of the above				

Mark Box 2 if you are the owner/operator of a treatment facility that has treated restricted solvent waste to the treatment standards set out in the above table.

. . .

Mark Box 3 if the waste naturally meets the treatment standards without any treatment.

<u>Mark Box 4</u> and the appropriate box below to indicate that your waste is not restricted from land disposal.

- 1 1. You are a small quantity generator of 100-1000 kilograms of hazardous waste per month. This variance expires 11/8/88.
- The solvent waste is a soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004(u) or 3008(h) of RCRA. The variance expires on 11/8/90.
- 1 3. You are the initial generator of a solvent waste that is a solvent water mixture, solvent-containing sludge or solid, or solvent-contaminated soil (non-CERCLA or RCRA corrective action) containing less than 1 percent total F001-F005 solvent constituents listed in the above table. This variance expires 11/8/88.
- 1 | 4. The solvent waste is subject to a case-by-case extension or no-migration petition.
- 1 | 5. Your waste is a residue generated from the treatment of only spent solvent wastes identified in one of the above four categories. (e.g., you are a wastewater treatment plant that has treated only wastewater containing less than 1% total F001-F005 solvent constituents.)
- | | 6. For F001-F005 wastes destined for deep well injection, waste is a solvent water mixture or solvent containing sludge with less than 1% F001-F005 solvent constituents listed above. This variance expires 8/8/90.

Howmedica

359 VETERANS BOULEVARD • RUTHERFORD, NEW JERSEY 07070 • (201) 507-7300

May 25, 1990

United States Environmental Protection Agency Region II 26 Federal Plaza New York, New York 10278 Attn: Mr. George C. Meyer, P.E. Chief Hazard Waste Compliance Branch

Good Morning:

I am responding to your Warning Letter dated May 16, 1990 concerning alleged violations of 40 CFR 268.7(a) (1) as a result of an inspection conducted by the State of New Jersey .

Your letter indicates that manifest copies NJA7516371, NJA5676894 and NJA0260595 were found to be without LDR notifications. A discussion with Mr. James Sullivan of your staff and a check of our internal records indicates that the particular manifest copies concerning this matter are NYA7516971, NYA5676894 and NJA0260595. I will address matters concerning these manifests.

Attached please find copies of the applicable LDR notifications submitted to the disposal sites. All other shipments have the appropriate LDR notifications attached with records retained with the manifest at the plant. It is also our intention to continue to comply with this regulation in the future by submitting the required LDR notifications and retaining a copy with the manifest.

I hope that this satisfactorily answers the questions you pose in your letter and satisfies the requirements of the regulation. Should you have any further questions or require more information please do not hesitate to contact me at (201) 507-7502, by FAX at (201) 507-7885 or by mail.

Sincerely yours,

John F. Zajac Safety Engineer



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II 26 FEDERAL PLAZA NEW YORK, NEW YORK 10278

MAY 16 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John F. Zajac Safety Manager Howmedica 359 Veterans Boulevard Rutherford, New Jersey 07070

Re: Howmedica

EPA I.D. No. NJD052077682

Dear Mr. Zajac:

This Warning Letter is issued pursuant to Section 3008 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976 ("RCRA") and the Hazardous and Solid Waste Amendments of 1984 ("HSWA") 42 U.S.C. §§ 6901, 6928.

Pursuant to HSWA, EPA promulgated regulations on November 7, 1986, which prohibited the land disposal of restricted waste. 51 Fed. Reg. 40,572 (November 7, 1986). These regulations are published in 40 C.F.R. Part 268, and amend various sections of 40 C.F.R. Parts 260-265 and 270. They became effective on November 8, 1986.

The State of New Jersey is authorized by EPA to conduct a hazardous waste program under Section 3006 of RCRA, 42 U.S.C. § 6926. However, the authorized State program does not include provisions of HSWA, and regulations promulgated thereunder. EPA has the sole authority to implement and enforce regulations promulgated pursuant to HSWA, including the land disposal restrictions ("LDR").

On or about February 20, 1990, a duly authorized representative of EPA conducted an inspection of Howmedica, Rutherford, New Jersey, pursuant to Section 3007 of RCRA, 42 U.S.C. § 6927. During this inspection, the inspector noted that:

1. 40 C.F.R. § 268.7(a)(1) which is one of the provisions of the LDR, has been violated. Section 268.7(a)(1) requires the following:

Before a generator offers waste subject to the LDR to a treatment facility, the generator must notify the treatment facility in writing of the appropriate treatment standards set forth in Subpart D of 40 C.F.R. Part 268

The notice must include the following information:

(i) EPA Hazardous Waste Number;

- (ii) The corresponding treatment standards and all applicable prohibitions set forth in § 268.32 or RCRA Section 3004(d);
- (iii) The manifest number associated with the shipment of waste; and
 - (iv) Waste analysis data, where available.

At the time of the above referenced inspection, manifest copies NJA7516371, NJA5676894 and NJA0260595 were found to be without the required LDR notifications. Be advised that EPA requires adherence to its regulations. If you have not already done so, you must take immediate remedial action to implement the regulations published in 40 C.F.R. Part 268. You must submit, within thirty (30) days of the receipt of this letter, documentation, and a description of the actions you have taken to correct the violations noted above and to implement the regulations published in 40 C.F.R. Part 268.

Failure to comply with the requirements of this Warning Letter may subject you to penalties of up to twenty-five thousand dollars (\$25,000) for each day of noncompliance in accordance with Section 3008 of RCRA, 42 U.S.C. § 6928.

If you have any questions regarding this matter, please contact Mr. James Sullivan, at (212) 264-6150.

Sincerely yours,

George &. Meyer, P.E., Chief

Hazardous Waste Compliance Branch

cc: Wayne Howitz, Assistant Director
Hazardous Waste Enforcement Element
New Jersey Department of Environmental Protection
401 East State Street
Trenton, New Jersey 08625-0028

TRANSPORTER



DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Pleasa print or type. P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator'		Do Do	anifest ocument No	2.	Page 1	Informa Is not r	tion in	the shaded area by Federal Law.
3. Generator's Name and Mailing Address	AN N AS	12 9 77	\$88Z 6	971	A S	State Man			
359 VETERANS BLVD. RUI	FARREMOR		7870			NY	175	16	97 1
4. Generator's Phone (201 507-736	30		7070		B. (enerator's	s ID		
5. Iransporter 1 (Company Name) CHEMICAL WASTE MARAGER	ONT INC	6. US EPA ID		.	C. S	tate Trans	sporter's	ID .	S10331.7
7. Transporter 2 (Company Name)		8. US EPA ID	Number	2 688		ransporte		- 1	101 465-2
				111		ransporter			1
9. Designated Facility Name and Site Address CHEMICAL HASTE HANGEN	ENT (SCA	10. US EPA IC	Number SERV	(CES)	G. S	tate Facil	Itv's ID		
P.O. BOX 200 1550 BAL MODEL CITY, NY 14107	MER ROA	D		•		acility's P		-	A MARI
		M Y DO	98 36			716	754-	823	1 : - 4
11. US DOT Description (Including Proper Shipp	ing Name, Haz	ard Class and ID	Number)	12. Con		13. Tota		14. Unit	
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GENERATOR'S CERTIFICATION									
. GENERATOR'S CERTIFICATION: I hereby d classified, packed, marked and labeled, and are in all regulations and state laws and regulations.	leclare that the co	ontents of this consi	gnment are full	y and accura	tely desc	ribed above	by prope	er shipp	ing name and are
If I am a large quantity generates I							mational	and na	donal government
If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable mealth and the environment; OR if I am a small generate to me and that I can afford.	ethod treatment,	reduce the volume a storage, or disposal	and toxicity of a currently availa	waste genera	ted to the	degree I ha	ave deter	nined to	be economically
to me and that I can afford.	or, I have made a	good faith effort to n	ninimize my wa	ste and selec	t the bes	t waste mai	nagement	metho	d that is available
ted/Typed Name Bouglas J. Kujawa		Signatur	1	00	-			Mo	
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Chemical Waste Management, Inc.

New York Transportation P.O. Box 200 1550 Balmer Fload Model City, New York 14107 716/754-8231 800/272-7775 FAX: 716/754-2296

TRLECOPY

DATE:

5/22/90

FAX #: (201) 507 -7885

TO.

Doug Kupwa

FROM:

Donna Ames

RE. Lan Ban Notices

NUMBER OF PAGES 4 (including cover)

IF YOU ARE NOT RECEIVING OUR COPIES, PLEASE INFORM US IMMEDIATELY. THANK YOU. 1-800-272-7775 or 716-754-8231

CWM, NEW YORK TRANSPORTATION

MODEL CITY, NY

FAX: 716-754-2296

SPENT SOLVENT WASTE

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator Name: HOWMEDICA	CWMI Profile Number: 1/3533
EPA ID Number NJD052077682	Manifest Number: NVA 7516971

This form is submitted to CHEMCIAL WASTE MANAGEMENT in accordance with regulations published by EPA at 40 CFR Part 268, which govern the land disposal of restricted hazardous waste identified above has been listed as a restricted waste by EPA under the Part 268 regulations. In accordance with the waste analysis and recordkeeping requirements set forth at-40 CFR 268.7, I have marked the appropriate box below to indicate how my waste must be managed to conform to the regulations. (See instructions on reverse side for marking appropriate box).

RESTRICTED WASTE REQUIRES TREATMENT

The waste identified above must be treated to the appropriate standard **X** 1. identified in 40 CFR 268 Subpart D.

RESTRICTED WASTE TREATED TO PERFORMANCE STANDARD

The waste identified above has been treated, the treatment residues have 1 2. been tested in accordance with the facility WAP, and the residues have been found to meet the performance standards specified in 40 CFR Part 268 Subpart D. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to achieve the performance levels specified in 40 CFR Part 268 Subpart D without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and

RESTRICTED WASTE NATURALLY MEETS THE TREATMENT STANDARDS

The waste identified above naturally meets the performance standards of 40 CFR Part 268 Subpart D, without any treatment being performed.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

RESTRICTED WASTE SUBJECT TO VARIANCE

The waste identified above subject to a case-by-case 40 CFR 268.6, a nationwide which expires on	Viciance wader	d from land er 40 CFR 26 Subpart C,	disposal since it 8.5, a petition un or another exempt	is der
			-	

Som P. Sand	to the best of my knowledge SAFETY ENGINEER	and information.	
Signature	Title		<u>-5/30/8</u>

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator Name: HOWMEDICA CWMI Profile Number: 662874

EPA ID Number: NJD052077682 Manifest Number: NYA 75/697

This form is submitted to CHEMCIAL WASTE MANAGEMENT in accordance with regulations published by EPA at 40 CFR Part 268, which govern the land disposal of certain untreated hazardous wastes. The hazardous waste identified above is one of the "California List" wastes under EPA's Part 268 regulations. In accordance with the waste analysis and recordkeeping requirements specified by EPA at 40 CFR 268.7, I have marked the appropriate box below which indicates how my waste must be managed to conform to the land disposal ban regulations. (See instructions on reverse side for marking appropriate box.)

RESTRICTED WASTE REQUIRES TREATMENT

I am the initial generator of an untreated waste identified above which must be treated to the appropriate treatment standard set forth in 40 CFR 268 Subpart D, or where no treatment standard exists for the California List waste, the waste must be treated to the levels specified under 40 CFR 268.32.

RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

The waste identified above has been treated in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D and/or the applicable prohibitions set forth in 40 CFR 268.32. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 of RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

RESTRICTED WASTE SUBJECT TO VARIANCE

(3) | The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a no-migration petition under 40 CFR 268.6, a nationwide variance under Subpart C, or another exemption which expires on _______

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Signature

SAFETY ENGINEER

Title 5

-CHEMICAL WASTE MANAGEMENT, INC .-

CALIFORNIA LIST WASTES

٠,		5.♦	
•		LAND DISPOSAL REST	RICTION NOTIFICATION FORM
٠		or Name: HOWMEDICA	CWMI Profile Number: 662872
		Number: NJD052077682	Manifest V. A. A. C. Coll
	of the with the	"California List" wastes under waste analysis and recordket	WASTE MANAGEMENT in accordance with R Part 268, which govern the land disposal of The hazardous waste identified above is one ping requirements specified by EPA at 40 CFR box below which indicates how my waste must special ban regulations. (See instructions on example ox.)
		RESTRICTED WAS	TE REQUIRES TREATMENT
	(1)	I am the initial generator must be treated to the appro	of an untreated waste identified above which priste treatment standard set forth in 40 CFR treatment standard exists for the California be treated to the levels specified under 40
		RESTRICTED WASTE TREA	TED TO PERFORMANCE STANDARDS
	(2)	The waste identified above he cable performance standards the applicable prohibitions appealty of law that I have present technology and oper port this certification and duals immediately responsible that the treatment process has to comply with the performance of the comply with the performance of the complex comple	specified in 40 CFR 268 Subpart D and/or set forth in 40 CFR 268.32. "I certify under ration of the treatment process used to supthat, based upon my inquiry of those indivises been operated and maintained properly so mance levels specified in 40 CFR Part 268 prohibitions set forth in 40 CFR 268.32 of cant penalties for submitting as followed as the prohibited waste. I am

aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment." RESTRICTED WASTE SUBJECT TO VARIANCE

(3)]	ı	The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a no-migration petition under 40 CFR 268.6, a nationwide variance under Subpart C, or another exemption which expires on

I hereby certify that documents is complete	and accurate to the best of my SAFETY ENGINEER	and information.
Signature	SAFETY ENGINEER Title	5/30/89.
		nate

-CHEMICAL WASTE MANAGEMENT, INC .-



DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Please print or type.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039, Expires 9-30-88

	UNIFORM HAZARDOUS 1. Generato WASTE MANIFEST	Do	nifest cument No.	2. Page 1 of	Informati is not rec	ion in the quired by I	shaded are ederal Lav
	3. Generator's Name and Mailing Address		1111	A. State M	anifest Doci	ument No.	-: 1
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	4. Generator's Phone ()	* , ,	. ,	. B. Generat	ors in	Armie	EDS 2
	5. Transporter 1 (Company Name)	6 US EPA ID Number 2	6164	C. State Tr			4/4/
	7. Transporter 2 (Company Name)	8. US EPA ID Number	1115	D. Transpor			
1	9 Designated Facility Name and City Ave.			F. Transpor			
	9. Designated Facility Name and Site Address ORP RESEARCH 261 KENT AVE	10. US EPA ID Number		G. State Fa	cility's ID	Ptha 7.8	18 mail
	BROOKLYN NY 1711	NY004917	8276	H. Facility	B. 9	6 3 . ?	.233
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1	 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in pr regulations and state laws and regulations. 	ove by proper	shipping na	ime and are			
11	I am a large quantity generator, I certify that I have program in place to	reduce the volume and toxicity of	-,	to applicable ill	iternational ar	nd national	government
m	racticable and that I have selected the practicable method of treatment, sealth and the environment; OR, if I am a small quantity generator, I have the third that is available to me and that I can afford. Intel/Typed Name	storage, or disposal currently available ve made a good faith effort to minim	e to me which	minimizes the	present and	ined to be e future the st waste n	conomically it to buman lander out
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CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator	Name: HOWMEDICA LAB PACK Number: EPA D002
EPA ID N	umber: NJD052077682 Manifest Number: NYA5676894
of the "with the 268.7, I be manage	in accordance with one published by EPA at 40 CFR Part 268, which govern the land disposal of untreated hazardous wastes. The hazardous waste identified above is one California List" wastes under EPA's Part 268 regulations. In accordance waste analysis and recordkeeping requirements specified by EPA at 40 CFR have marked the appropriate box below which indicates how my waste must be ded to conform to the land disposal ban regulations. (See instructions on side for marking appropriate box.)
	RESTRICTED WASTE REQUIRES TREATMENT
(1) _X	I am the initial generator of an untreated waste identified above which must be treated to the appropriate treatment standard set forth in 40 CFR 268 Subpart D, or where no treatment standard exists for the California List waste, the waste must be treated to the levels specified under 40 CFR 268.32.
	RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
(2)	
	RESTRICTED WASTE SUBJECT TO VARIANCE
(3)	The waste identified above is not banned from land disposal since it is subject to a case-by-case extension under 40 CFR 268.5, a no-migration petition under 40 CFR 268.6, a nationwide variance under Subpart C, or another exemption which expires on
	•
JOHN E	SAKKIIV PROTRIBIO
Signature	SAFETY ENGINEER 5/25/90 Title Date
	4000

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

SPECOS ST

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

(1) Free cyanides at concentrations greater than or equal to 1000 mg/l.

- (2) One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - b. Cadmium and/or compounds (as Cd) 100 mg/1;
 - Chromium VI and/or compounds (as CrVI) 500 mg/1;
 - d. Lead and/or compounds (as PB) 500 mg/l;
 - e. Mercury and/or compounds (as Hg) 20 mg/1;
 - Nickel and/or compounds (as Ni) 134 mg/l;
 - Selenium and/or compounds (as Se) 100 mg/1;
 - h. Thallium and/or compounds (as TH) 130 mg/1.
- (3) Liquid hazardous wastes having a pH less than or equal to two (2.0).
- (4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/l and less than 10,000 mg/l.
- (5) Polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 500 ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

(A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.

(B) The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.

(C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCIA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.

(D) For wasted subject to deepwell injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.

(E) Liquid an: nonliquid HOCs (that are not wastewaters) in total concentrations greater than or equal to 1000 mg/kg. This variance expires 11/8/88.

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Ge	nerato	r Name: HOWMEDICA LAB PACK . Number	: EPA D002
EP	A ID 1	Number: NJD052077682 Manifest Number: N	
of wi 26 be	the the 8.7,]	ons published by EPA at 40 CFR Part 268, which govern the untreated hazardous wastes. The hazardous waste identification and the constant of the conform to the land disposal ban regulations. (See side for marking appropriate box.)	n accordance with land disposal of fied above is one s. In accordance by EPA at 40 CFR
		RESTRICTED WASTE REQUIRES TREATMENT	
(1) _X	I am the initial generator of an untreated waste ident must be treated to the appropriate treatment standard sealed Subpart D, or where no treatment standard exists for List waste, the waste must be treated to the levels sealed to the level	t forth in 40 CFR
		RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS	- -
(2)	The waste identified above has been treated in compliant cable performance standards specified in 40 CFR 268 the applicable prohibitions set forth in 40 CFR 268.32. penalty of law that I have personally examined and am treatment technology and operation of the treatment proport this certification and that, based upon my inquiry duals immediately responsible for obtaining this infortant the treatment process has been operated and maint as to comply with the performance levels specified in Subpart D and all applicable prohibitions set forth in RCRA Section 3004(d) without dilution of the prohibit aware that there are significant penalties for submittification, including the possibility of a fine and impris	se with the appli- Subpart D and/or "I certify under familiar with the cess used to sup- of those indivi- mation, I believe ained properly so a 40 CFR Part 268 40 CFR 268.32 of ted waste. I am
. W. E.		RESTRICTED WASTE SUBJECT TO VARIANCE	
(3		The waste identified above is not banned from land dis subject to a case-by-case extension under 40 CFR 268.5 petition under 40 CFR 268.6, a nationwide variance undanother exemption which expires on	posal since it is , a no-migration ler Subpart C, or
_			
I do	150m	s certify that all informatioin submitted in this and scomplete and accurate to the best of my knowledge	d all associated and information.
_	gnatur	F. ZAJAC SAFETY ENGINEER	5/25/90
		Title	Date

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

aransin'i

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

(1) Free cyanides at concentrations greater than or equal to 1000 mg/l.

- (2) One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - b. Cadmium and/or compounds (as Cd) 100 mg/1;
 - c. Chromium VI and/or compounds (as CrVI) 500 mg/l;
 - d. Lead and/or compounds (as PB) 500 mg/l;
 - e. Mercury and/or compounds (as Hg) 20 mg/1;
 - f. Nickel and/or compounds (as Ni) 134 mg/1;
 - g. Selenium and/or compounds (as Se) 100 mg/l;
 - h. Thallium and/or compounds (as TH) 130 mg/1.
- (3) Liquid hazardous wastes having a pH less than or equal to two (2.0).
- (4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/l and less than 10,000 mg/l.
- (5) Polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50 ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

(A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.

(B) The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.

(C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCIA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.

(D) For waste: subject to deepwell injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.

(E) Liquid an: nonliquid HOCs (that are not wastewaters) in total concentrations greater than or equal to 1000 mg/kg. This variance expires 11/8/88.

CALIFORNIA LIST WASTES

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Generator	Name: HOWMEDICA LA	AB PACK Number: EPA D009
EPA ID N	WYDAFAAF	anifest Number: NYA5676894
of the "with the 268.7, I be manage	n is submitted to RADIAC RESEARCH ons published by EPA at 40 CFR Part 268 untreated hazardous wastes. The hazar California List" wastes under EPA's Pa waste analysis and recordkeeping requi have marked the appropriate box belowed to conform to the land disposal ban side for marking appropriate box.)	cordance with which govern the land disposal of dous waste identified above is one rt 268 regulations. In accordance rements specified by EPA at 40 CFR
	RESTRICTED WASTE REQUIRE	S TREATMENT
(1) x	I am the initial generator of an untrope must be treated to the appropriate tre 268 Subpart D, or where no treatment List waste, the waste must be treated CFR 268.32.	eated waste identified above which atment standard set forth in 40 CFR
	RESTRICTED WASTE TREATED TO PER	FORMANCE STANDARDS
(2)	cable performance standards specified the applicable prohibitions set forth penalty of law that I have personally treatment technology and operation of port this certification and that, bas duals immediately responsible for obtithat the treatment process has been of as to comply with the performance less subpart D and all applicable prohibit RCRA Section 3004(d) without dilution aware that there are significant penafication, including the possibility of	in 40 CFR 268 Subpart D and/or in 40 CFR 268.32. "I certify under examined and am familiar with the the treatment process used to suped upon my inquiry of those indiviaining this information, I believe perated and maintained properly so evels specified in 40 CFR Part 268 ions set forth in 40 CFR 268.32 of on of the prohibited waste. I am lities for submitting a false certial fine and imprisonment."
(2)	RESTRICTED WASTE SUBJECT	
(3)	The waste identified above is not ban subject to a case-by-case extension petition under 40 CFR 268.6, a natio another exemption which expires on	ned from land disposal since it is under 40 CFR 268.5, a no-migration nwide variance under Subpart C, or
Der	certify that all information submits complete and accurate to the best	itted in this and all associated tof my knowledge and information.
Signature	F. ZAJAC SAFETY ENGIN	EER 5/25/90
0	Ti	tle

Instructions for Completing Front Side of Form

The California List represents the second phase of the federal land disposal ban which became effective July 8, 1987. A waste is subject to the California List prohibitions if it meets each of the following four criteria:

BHBM TO

- (1) the waste must contain a constituent specified in the California List provisions or have a pH less than or equal to two; and
- (2) the physical form of the waste must be liquid (except for HOCs); and
- (3) the waste containing the California List constituent must be listed or identified as hazardous under RCRA section 3001; and
- (4) the waste must contain a concentration of one or more of the California List constituents at or above the levels specified in section 3004(d).

Any generator or treater that manages a California List waste must accompany the shipment off-site with a notification/certification by marking one of the three boxes on the reverse side of this form.

MARK BOX 1 if you are the initial generator of a liquid hazardous waste containing one (or more) of the following substances in the specified concentrations:

- Free cyanides at concentrations greater than or equal to 1000 mg/l.
 One (or more) of these metals (or elements) at concentrations greater than or equal to those specified below:
 - Arsenic and /or compounds (as As) 500 mg/l;
 - b. Cadmium and/or compounds (as Cd) 100 mg/l;
 - c. Chromium VI and/or compounds (as CrVI) 500 mg/l;
 - d. Lead and/or compounds (as PB) 500 mg/l;
 - e. Mercury and/or compounds (as Hg) 20 mg/l;
 - Nickel and/or compounds (as Ni) 134 mg/l;
 - Selenium and/or compounds (as Se) 100 mg/1;
- h. Thallium and/or compounds (as TH) 130 mg/l.

(3) Liquid hazardous wastes having a pH less than or equal to two (2.0).

(4) Liquid haza dous wastewaters that are primarily water and contain halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/I and less than 10,000 mg/l.

(5) Polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50 ppm. (Remember the waste must also be a RCRA hazardous waste).

MARK BOX 2 if you have treated one (or more) of the above California List wastes in compliance with the applicable performance standards specified in 40 CFR 268 Subpart D or the applicable prohibitions set forth in 40 CFR 268.32. This means that (1) for liquid hazardous wastes containing free cyanides or metals at the concentration levels specified above, you have treated the waste below those specified concentration levels, or rendered the waste non-liquid per the paint filter test; or (2) for liquid corrosive wastes, you have either treated the waste above a pH or two, or rendered the waste non-liquid per the paint filter test; or (3) for wastewaters containing HOCs in total concentrations greater than or equal to 1,000 mg/l and less than 10,000 mg/l, you have treated the waste below 1,000 mg/l; or (4) for liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm but less than 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70 or burned it in a high efficiency boiler in accordance with 40 CFR 761.60; or (5) for liquid hazardous waste containing PCBs at concentrations greater than or equal to 500 ppm, you have incinerated the waste in accordance with 40 CFR 761.70. All liquid hazardous wastes containing PCBs over 50 ppm must also be incinerated in accordance with Parts 264, 265 and 266. The certification on the reverse side must be given by the treater.

MARK BOX 3 if your waste is one of the following:

(A) Soil and debris containing HOCs in total concentrations greater than or equal to 1,000 mg/kg. This variance expires 7/8/89.

(B) The California List waste is soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This exemption expires on November 8, 1988. Box 3 should also be marked if your waste is subject to a case-by-case extension or no-migrations petition.

(C) The California list waste is an HOC soil and debris generated from a response action taken under sections 104 or 106 of CERCLA or corrective action taken under sections 3004 or 3008 of RCRA. This variance expires on 11/8/90.

For waste: subject to deepwell injection, all California List waste, except PCBs greater than or equal to 50 mg/l and HOCs greater than or equal to 1%, are subject to a variance until 8/8/90.

(E) Liquid an: nonliquid HOCs (that are not wastewaters) in total concentrations greater than or equal to 1000 mg/kg. This variance expires 11/8/88.



Department of Environmental Protection Division of Waste Management CN 028, Trenton, NJ 08625 (Form designed for use on elite (12-pitch) typewriter.)

MIEODMHAZADDONA	, party typotitie	,			ror	m Approved, O	MB No. 205	0-0039. Expires 9	7-30-88
NIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	(ID No 210 77619	2 4 6	stort scatt No.	2 Pa	nge 1 i	nformation in s not require	n the shaded area ed by Federal law:	s *
Generator's Name and Mailing Address		common de la commo			A Stat			02605	
HOWMEDICA COCORPORATED					B Sta	ent Number	IUA	02000	93
995 VETERMNS DLVD. RUT 4. Generator's Phone (201) 935-21	HERFORD, N .00 ext 502	EW JERSEY	070	70	0. 514	AG.	HE		
5. Transporter 1 Company Name	00 ext 502	US EPA I	O Number		C. Sta	te Transporter	1 ID		
ATLAS ASSOCIATES	ĬŽ	IJCIQQ;		3 41 1	1	DEPS 84		· ·	
7. Transporter 2 Company Name	8	US EPA I	A. R. Williams C. Stern Land	- dans lan	D. Trai	nsporter's Pho	10		
Designated Facility Name and Site Address				LL	F Stat	e Transporter	3-002	4	
MARISOL INC.	·. 10.	. US EPA ID) Number						
125 FACTORY LANE	_					sporter's Phon	ie		
MIDDLESEX, HEW JERSEY	08846 N	J 12 0 1 9 2	41514	5414		e Facility's ID	(201)	469-51	m
11. US DOT Description (Including Proper Shipping Na			The same of the same of	12 Conta	1	13	14	700 5.2	-
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J. Additional Descriptions for Male rials Listed Above L-T 1, 1, 1 TRICHLOROETHA	TIME		J-	!		Handing code	me L. Terrena	ູ່ ເອີListed Above	
a WATER, OIL, GRIT (FOR R	ECCURPY)				-10	7U	- 1 - 4	اعترفيا Isled Above	'
	200 - 24.27				a .	DY reco	svedy_		
b.							1		
15. Special Handling instructions and Additional Information	d.				lı 		a		
15. Special Handling Instructions and Additional Information A) TECH \$ 133 1,1,1,TRI	CHLOROETHA	ne for ri	COVER	Y					
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						1	,		
 GENERATOR'S CERTIFICATION: I hereby declare that the c packed, marked, and labeled, and are in all respects in proper all applicable state laws and regulations. 	contents of this consignmen	nt are fully and accurate	l, described ab	Ove by pro-	or element	deen	120	130	
Unless Lam a small quantity generates	- T	3	one micrim	nomin and n	ational dov	ernment requiatio	ns, and		
Unless I am a small quantity generator who has been exempte also certify that I have a program in place to reduce the volume the method of treatment, storage, or disposal currently availa-	d by statute or regulation from and toxicity of waste gener	om the duly to make a wi rated to the degree I have	aste minimizatio e determined to	n certificati be economi	en under S	ection 3002 (b) of f	ICRA, I		
Printed/Typed Name	tole to me which minimizes	Signature C	threat to huma	an health ar	id the envi	ronment	Pircled [Date	
JOHN F. ZAJA	A.	Sa-	10	3				Month Day	Year
17. Transporter 1 Acknowledgement of Receipt of Mater	nals	0	(12)	1	A MAR SHALL		(JACK I	ليا
Printed/Typed Name		Signature	1	<u> </u>				Date Month Day Y	
18. Transporter 2 Acknowledgement of Receipt Market		16	U	1	20	÷ .	رًا -	donth Day Y	ear
18. Transporter 2 Acknowledgement of Receipt of Mater Printed/Typed Name	ials	0			7		- 1	Date	Щ_
	B.	Signature			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Λ	Month Day Y	'ear
19. Discrepancy Indication Space			**************************************	Barbar Mai Fr	- STANDARIA	The second section of the sect			LE
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Ed. Facility Owner or Operator: Certification of receipt of haz	ardous materials covere	d by this mandest in	tol acreded	I ma He are to					_F
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Printed/Type-kName	1_	Sund G	~		~ //			Date (Day 14	<u> </u>
Tregory A Filo	CTO	17/1	1.00	, /3	17.	7.75	1.6	Onth Day Ye	ear CC
Market Land and All Andread An		1V. LI.	11:11	11/1	12.	32-18	1	17/40/1	1/0

SPENT SOLVENT WASTE

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

TECH. Number: 133

Generator Name: HOWMEDICA

EPA ID N	iumber NJ <u>D052077682</u>	Manifest	Number: NJA026059	5
regulation restricts by EPA under record keep box below	m is submitted to <u>MA</u> ons published by EPA a ed hazardous waste iden ander the Part 268 regulation eping requirements set w to indicate how my waste tructions on reverse si	t 40 CFR Part 268 atified above has lations. In according to the control of the c	which govern the land been listed as a resordance with the waste 68.7, I have marked the	stricted wast e analysis an
•	RESTRIC	TED WASTE REQUIRE	S TREATMENT	
ľ _X 1.	The waste identified identified in 40 CFR	above must be t 268 Subpart D.	reated to the appropr	iate standar
	RESTRICTED WAS	TE TREATED TO PERI	FORMANCE STANDARD	
	The waste identified been tested in accor been found to meet to 268 Subpart D. "I continued and am family the treatment process upon my inquiry of obtaining this information been operated and malevels specified in prohibited waste. I submitting a false continued imprisonment".	the performance sertify under pena- iar with the tree used to support those individuation, I believed intained properly the CFR Part 268	actility WAP, and the standards specified in alty of law that I has atment technology and this certification and uals immediately resident the treatment of the solution of the solution of the solution of the subpart D without discourse the standard of the subpart D without discourse the standard of the subpart D without discourse the standard of the subpart D without discourse the subpart D without discourse the standard of the subpart D without discourse the subpart D with	residues have a 40 CFR Part ve personally operation of d that, based sponsible for t process has e performance lution of the
			E TREATMENT STANDARDS	
	The waste identified 40 CFR Part 268 Subpar	t b, without any	treatment being perfo	rmed.
1 3.	familiar with the wast of the waste to support the treatment standard believe that the info I am aware that there certification, include	rt this certificated in the specified in the specified in the specified in the specificant of the specifican	and testing or thromation that the waste 40 CFR Part 268 Stad is true, accurate penalties for submitting of a fine and	ugh knowledge complies with ubpart D. I and complete.
1 4.	The waste identified subject to a case-by-40 CFR 268.6, a nation which expires on	CARE EXTENSION UN	MAS AN CED 260 E	
I hereby complete	certify that all mate	rial submitted in t of my knowledge	this and associated and information.	documents is
JOHN F.	SA SA	FETY ENGINEER	-5/25/	90
Signature		Title	Da	

Mark Box 1 if you are the initial generator of a spent solvent waste specified in 40 CFR 261.31 as EPA Hazardous Waste Nos. F001, F002, F003, F004 and F005, and your waste is ineligible for a nationwide variance or other exemption from the November 8, 1986 prohibition date. (See below).

If Box 1 is marked, your solvent waste is restricted and must be treated to the standards set forth in the box below prior to land disposal. For each solvent waste present in your waste shipment, check the appropriate box in front of the applicable treatment standard(s). If based upon best knowledge and information, your waste shipment may contain some or all of the constituents listed below, please mark the appropriate boxes or the box labeled "All of the above" at the bottom.

Constituent Concentration in Waste Extract (CCWE) Table

	Treatment Standard (mg/f)			
Solvent Constituent	Wastewaters	All Other Waste		
Acetone	0.05	0.50		
n-Butyl alcohol	5.0	50		
Carbon disulfide	1 05	4.81		
Carbon tetrachionde	0.05	0.96		
Chlorobenzene	0.15	0.05		
Cresots	2.82	0.75		
Creeylic acid	2.82	0.75		
Cyclonexanone	0.125	0.75		
1.2-Dichlorobenzene	0.65	0.125		
Ethyl acetate	0.06	0.75		
Ethyl benzene	0.26	0.053		
Ethyl ether	0.06	0.75		
Isobutanol	5.0	5.0		
Methanol	0.25	0.75		
Methylene chlonde	0.20	0.96		
Methylene chloride (from phermaceutical industry)	.44	0.90		
Methyl ethyl ketone	0.06	0.75		
Methyl isobutyl ketone	0.06	0.33		
Nitrobenzene	0.66	0.125		
Pyrdine	1.12	0.33		
Tetrachioroethylene	0.079	0.06		
Taluene	1.12	0.33		
1,1,1-Trichloroethene	1.06	0.41		
1.2.2-Trichloro-				
1.2.2-trifluroethene	1.06	0.96		
Trichloroethylene	0.062	0.091		
Trichlorofluoromethene	0.06	0.96		
Xylene	. 0.06	0.15		
All of the above				

Mark Box 2 if you are the owner/operator of a treatment facility that has treated restricted solvent waste to the treatment standards set out in the above table.

Mark Box 3 if the waste naturally meets the treatment standards without any treatment.

Mark Box 4 and the appropriate box below to indicate that your waste is not restricted from land disposal.

- 1 1. You are a small quantity generator of 100-1000 kilograms of hazardous waste per month. This variance expires 11/8/83.
- 1 2. The solvent waste is a soil and debris generated from a response action taken under sections 104 or 106 of CERCIA or corrective action taken under sections 3004(u) or 3008(h) of RCRA. The variance expires on 11/8/90.
- | | 3. You are the initial generator of a solvent waste that is a solvent water mixture, solvent-containing sludge or solid, or solvent-contaminated soil (non-CERCLA or RCRA corrective action) containing less than 1 percent total F001-F005 solvent constituents listed in the above table. This variance expires 11/8/88.
- 1 | 4. The solvent waste is subject to a case-by-case extension or no-migration petition.
- Your waste is a residue generated from the treatment of only spent solvent wastes identified in one of the above four categories. (e.g., you are a wastewater treatment plant that has treated only wastewater containing less than 1% total F001-F005 solvent constituents.)
- | | 6. For F001-F005 wastes destined for deep well injection, waste is a solvent water mixture or solvent containing sludge with less than 1% F001-F005 solvent constituents listed above. This variance expires 8/8/90.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT HAZARDOUS WASTE INSPECTION REPORT

DWM-329

GENERATOR INSPECTION REPORT

FACILITY INFORMATION. FACILITY NAME: Howmedica FILE NUMBER: VHT FACILITY FILE NUMBER: PERMIT #: REGION: INSPECTION DATE: 4-10-90 INCIDENT/CASE NUMBER: INSPECTION TYPE: Generator RESPONSIBLE AGENCY CODE: INSPECTOR'S NAME: INSPECTOR'S AGENCY: INSPECTOR'S BUREAU: EPA ID NUMBER: NTDD50 ADDRESS: 68F BLOCK: COUNTY: FACILITY PERSONNEL: TELEPHONE #: OTHER STATE/EPA PERSONNEL: REPORT PREPARED BY: REVIEWED BY:

4-25-90

APR 16 RECT

DATE OF REVIEW:

TIME IN:				
TIME OUT:				
PHOTOS TAKEN	() YES	() NO	IF YES, HOW MANY?	
SAMPLE TAKEN	() YES	(<u>)</u> NO	NO. OF SAMPLES	
		/	NJDEP SAMPLE ID#:	
MANIFESTS REV	IEWED 🗹	YES (_) 1	no 43	
Number of	manifests i	n compliance	43	
Number of	manifests n	ot in complian	ice O	
	manifest	document num	abers of those manifests no	t in

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FACILITY DESCRIPTION AND OPERATIONS:
Inspection at Howmedica in Rutherford, and durision of Pfine Hospital Products
inspection at Houmedicce in Ruther and
a división of Phiner Hospital Oppolication
Inc.
The facility Dustruel spokents was John Zagoic, Safety manage + Soug Keyawa, enveronmentage
was Illa Zagoic. Dolet i mounave.
+ Soura Keriawa eminopamentana
specialist.
Howmedica Presently ras 3 Shipts:
7:15-8:45; 4:45-1:15; 1:30-7:00, and
emplays 1200 people.
Howmedica is a company that
manufactures orthopaedic reconstruction
Atrauma products, such as hup & brien
foint riplacements rods + plate
implants for bones, etc. These ript brue
foints are made metalri colrect, chrone
alloy, tetanium) and stainless stul
to prevent rusting. Specific tools for
the surgeon to use are also manufactured
here. These orthopaedic deires are
made with general specs as well as specific
spics.
The general process is as follows:

A-5

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS (continued):
2-above ground storage for hal and
approved by the aust- nou issued)
Containing 4-0 Soluble vil (1000ga)
each) of the will (1000gad
each) and 1-500 gal minicel
type ail (all for the lubricating
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alla Contains han waste drums: 55gal-
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4-0002-acetic acid
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	FACILITY DESCRIPTION AND OPERATIONS (continued):
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	and the comment will also
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	03(1) a were found " 7!26-914(a)50
1	(13(a)3, 9.3(b), 9 6(f)4, + 9,7e+sec.
UN A7516371	also found were 3 manipoto want
NX A 5676894	Lik notification. Therefore.
NJA 0260595/	acommind USEPA be netified
· 50 62603 107	for further investigation 4/or
	inforcement.
	- Cleso, although they deal not have a
	Contingincy plan but the time of mulliple
	there is a copy enclosed on the & dansond
	flow in progress. The constant
	indicated that they wood in
-	the process of developing a private
	Contingéncy Plan.

	Describe the activities that result in the generation of hazardous waste. See Maryative
55-901 -6-	Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes)
5-gal-1-	- Dooz - Phosphoric /Sulfuncacid Dooz - Diffic acid
11 4-	Fool- Freon (111TCE)
	·
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GENERAL	GENERAL CHECKLIST	****		
7:26-7.4(a)1	Does the Generator have an EPA ID number?	YES	NO N/	<u>A</u>
HAZARDOUS WASTE D	ETERMINATION			
7:26-8.5(a)	Did the generator test its waste to determine whether it is hazardous?	V	/	
7:26-8.5(Ъ)	Did the generator determine the hazardous characteristics based upon knowledge of process?	_ ✓	<u> </u>	
*	Is the waste hazardous?	1	_	
7:26-8.5(d)	Were test results, waste analysis, or other determinations made in accordance with this section kept for three years from the date that the waste was last sent to an on-site or off-site TSF?	V	_	_
MANIFESTS	•			
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient on G-1).	*		
7:26-7.4(a)41	The generator's name, address and phone number.	_	_	_
7:26-7.4(a)4 <u>11</u>	The generator's EPA ID number.	1	_	
7:26-7.4(a)4111	The hauler(s) name, address phone number and NJ registration.	V	_	_
7:26-7.4(a)41 v	The hauler(s) EPA ID number.	1		_
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.	v	/	
7:26-7.4(a)4v1	The TSF's EPA ID number.	V	_	•
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.		_	_
7:26-7.4(a)4v11	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?			
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by generator?			

		YES NO N/A
7:26-7.4(3)	Did the generator describe all N.O.S. wastes in Section J?	<u> </u>
7:26-7.4(a)ix	When shipping hazardous waste to a waste reuse facility does the generator enter the waste reuse facility I.D. # in the section G of the Uniform Manifest?	
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:	
7:26-7.4(a)51	Sign the manifest certification by hand?	
7:26-7.4(a)511	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?	
7:26-7.4(a)5111	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?	/
7:26-7.4(a)51v	Provide the required numbers of copies for: generator, each hauler, owner/operator of the designated facility, as well as one copy returned to the generator by the facility owner/operator?	1
7:26-7.4(a)5 v	Give the remaining copies of the manifest form to the hauler?	
7.26-7.4(£)	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)	
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?	
7:26-7.4(h)1	If not: Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at (609) 292-8341 to inform the NJDEP of the situation?	
7:26-7.4(h)2	Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?	

	Accumulation Time
	How is waste accumulated on site?
	(
7:26-9.3(a)1	Is waste accumulated for more than 90 days?

STOP HERE IF THE HAZARDOUS WASTE MANAGEMENT FACILITY (TSF) CHECKLIST IS

Short term accumulation standards for generators who accumulate waste in containers and tanks for 90 days or less:

Containers		YES	NO	N/A	
7:26-9.4	What type of containers are used for storage. Describe size, type, quantity, and nature of waste (e.g. 12 fifty-five gallon drums of waste acetone).	5390	ul Ol-anic	uns	5
7:26-9.4(d)2	Do the containers appear to be in good condition, not in danger of leaking?	<u>/</u>		_	
	If no, describe the problem (include number of containers involved.)		G Salva I		
7:26-9.4(d)41	Are all containers securely closed except those in use?	<u> </u>	_	1	
7:26-9.4(d)4111	Do the containers appear to be properly handled or stored in a manner which will minimize the risk of the container rupturing and/or leaking?	_	_		
7:26-9.4(d)41v	Are containerized hazardous wastes segregated in storage by waste type?	_	_		
7:26-9.4(d)4v	Is every container arranged so that its identification label is visible?	\checkmark			
7:26-9.4(d)5	Is the container storage area inspected at least daily?	_	1	_	
7:26-9.4(d)6	Are containers holding ignitable and reactive wastes located at least 50 (fifty) feet (15 meters) from the facilities property line?		/_		
7:26-7.2(a)	Did the owner/operator conspicuously label appropriate manifest number on all hazardous waste containers that are intended for shipment?	<u> </u>	_	* *	
7:26-9.3(a)3	Is each container clearly dated with each period of accumulation so as to be visible for inspection?	-			

7:26-7.2(b)	Did the owner/operator insure that all containers used to transport hazardous waste off site are in conformance with applicable DOT regulations? (49CFR 171, 179)	YES NO N/A
Tanks (Less than	90 day storage)	
7:26-9.3(b)	Does the generator accumulate hazardous waste on-site in an above ground tank?	
	If yes, describe the tank(s): 1) Capacity 2) Shell thickness 3) Material Construction 4) Age of tank	
	Does the generator have written approval from the Department to store hazardous waste(s) in this tank(s) for ninety days or less?	
7:26-9.3(Ъ)1	Does each tank(s) have sufficient shell thickness to ensure the tank will not collapse or rupture as specified by the Department?	
7:26-9.3(b)4	Is the tank(s) designed so that at least 99% of the volume of each of the tanks can be emptied by direct pumping or drainage?	
7:26-9.3(b)5	Is each tank(s) rendered empty (1% or less remaining) every 90 days or less?	
7:26-9.3(b)6	Are all wastes removed from the tank(s) shipped off-site to an authorized facility or placed in an on-site, authorized facility?	
7:26-9.3(ъ) в	If part of the tank is below grade, is it constructed to allow visual inspection of the tank, comparable to a totally above-ground tank and is is secondary containment provided for the below grade part?	
7:26-10.5(c)1	Are materials which are incompatible with the material of construction of the tank(s) placed in the tank(s)?	
	Does the generator use appropriate controls and practices to prevent overfilling?	

7:26-10.5(c)211	For uncovered tanks, is there sufficient (two feet or acceptable documentation) freeboard to prevent overtopping by wave or wind action by or precipitation?	YES	NO	N/A	
7:26-9.3(b)3	Does each tank(s) or storage tank area have secondary containment?				
7:26-10.5(d)1	Is the containment system capable of collecting and holding spills, leaks, and precipitation?				_
7:26-10.5(d)11	Is the base underlying the tank(s) free from cracks, gaps, and sufficiently impervious to contain leaks, spills, and accumulated rainfall until the collected material is detected and removed?		-	_	
7.26-10.5(d)11	Does the containment system consist of material compatible with the wastes being stored?			_	
7:26010.5(d)111	Is the containment system sloped or otherwise designed to efficiently drain and remove liquids resulting from leaks, spills and precipitation?				_
7:26-10.5(d)111	Is the tank protected from contact with accumulated liquids?	_			
7:26-10.5(d)1v	Does the containment system have sufficient capacity to contain ten percent of the volume of all tanks or the volume of the largest tanks whichever is greater?	\			
7:26-10.5(d)2	Is run-on into the containment area prevented?	_		_	
*:	If not, explain.		1	\	_
7:26-10.5(d)3	Is precipitation removed from the pump or collection area in a timely manner to prevent blockage or overflow of the collection system?				
7:26-10.5(d)4	Is spilled or leaked waste removed from the pump or collection area daily?				

		YES NO	N/A	
7:26-10.5(d)41	If the collected material is hazardous waste under NJAC 7:26-8, it is managed as a hazardous waste in accordance with all applicable requirements of this chapter?			
7:26-9.4(g)4	Personnel Training			
	Have facility personnel successfully completed a program of classroom instruction or on-the-job training since six months after the date of their employment or assignment to the facility or to a new position at the facility?	<u>/</u>		
7:26-9.4(g)5	Has facility personnel taken part in an annual review of initial training?			
7:26-9.4(g)2	Is the program directed by a person trained in hazardous waste management procedures and does it include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan to dominate the second s	,		
	contingency plan to implementation) relevant to the positions in which they are employed?	<u>/</u>		_
	Is there written documentation of the following:			
7:26-9.4(g)61	Job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job?	<u> </u>		
7:26-9.4(g)611	A written job description for each position related to hazardous waste management?	~	/	
7:26-9.4(g)6111	A written job description on the type and amount of both introductory and continuing training that has been and will be given to personnel in jobs related to hazardous waste management?		/	
7:26-9.4(g)61 v	Documentation of actual training or experience received by personnel?			_
7:26-9.4(g)7	Are training records kept on all current employees until closure of the facility and training records kept on former employees for three years from their last date of employment?			

and the state of t

with written approval of the

exemption?

YES NO N/A

	To the state of th	
7:26-9.7	Contingency Plan and Emergency Procedures	
7:26-9.7(a)	Does the facility have a written contingency plan for emergency procedures designed to deal with fires, explosions, hazards to human health or environment, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents into air, soil or surface water?	o progress
7:26-9.7(b)	Are provisions of the plan carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment?	
7:26-9.7(c)	Does the contingency plan describes the actions facility personnel shall take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility?	/
7:26-9.7(d)	Did the owner or operator prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 or 300 or a Discharge Prevention Containment and Countermeasure (DPCC) Plan in accordance with N.J.A.C. 7:1E-4.1 et seq.	
	If yes, did the owner or operator amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this section?	/
7:26-9.7(e)	Does the plan describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services?	

7:26-9.7(f) Does the plan list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and is this list kept up to date? Where more than one person is listed, one shall be names as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates? 7:26-9.7(g) Does the plan include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external) and decontamination equipment), where this equipment is required? Is the list up-to-date? In addition, does the plan include the location and physical . description of each item on the list, and a brief outline of its capabilities? 7:26-9.7(h) Does the plan include an evacuation procedure for facility personnel where there is a possibility that evacuation could be necessary? Does this plan describe signal(s) to be used to begin evacuation, evacuation routes, and alternative evacuation routes (in case where the primary routed could be blocked by releases of hazardous waste or fires)? 7:26-9.7(1) Is a copy of the contingency plan and all revisions to the plan: 1. Maintained at the facility; Has the contingency plan been 2. submitted to local authorities (police fire departments, emergency

response teams)?

measures?

Is there an employee on site or on call at all times with the responsibility of coordinating, all emergency response

7:26-9.7(k)

Confidential - Recommendations

	TO:	v.	
	FROM:		DATE:
	SUBJECT:		DRIE:
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APPENDIX A

SOLVENT IDENTIFICATION CHECKLIST

1.	Does the handler generate any of the following F001 constituents (i.e., spent halogenated solvents used in degreasing) as a result of being used in the process eithe in pure form or commercial grade?			
	tetrachloroethylene trichloroethylene methylene chloride l,l,l-trichloroethane carbon tetrachloride chlorinated fluorocarbons	Yes		
2. Does the handler generate any of the following F002 constituents (i.e., spent halogenated solvents) as a rest being used in the process either in pure form or commercial grade?				
	tetrachloroethylene trichloroethylene methylene chloride 1,1,1-trichloroethane chlorobenzene trichlorofluoromethane 1,1,2-trichloro-1,2,2-trifluoroethane ortho-dichlorobenzene	Yes		
3.	Does the handler generate any of the following F003 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?			
	xylene acetone ethyl acetate ethyl benzene	Yes No		

Affenc	Yes	/
acetone		No
ethyl acetate	Yes	✓_No
ethyl benzene	Yes	No
ethyl ether	Yes_	No
methyl isobutyl ketone	Yes	No
n-butyl alcohol	Yes	No
cyclohexanone	Yes	✓_No
methanol	Yes	No
	Yes	N_0

If the F003 waste stream has been mixed with a solid waste, does the resultant mixture exhibit the ignitability characteristic?

____Yes ____No

4.	Does the handler generate any of the constituents (i.e., spent nonhalogenated result of being used in the process eith commercial grade?	following F00 I solvents) as her in pure fo	4 a rm or
	cresols and cresylic acid nitrobenzene	—_Yes —_Yes	√No No
5.	Does the handler generate any of the f constituents (i.e., spent nonhalogenated result of being used in the process eith commercial grade?	ollowing F00 solvents) as a er in pure for	5 I rm or
	toluene methyl ethyl ketone carbon disulfide isobutanol pyridine	Yes Yes Yes Yes	No No No No No
6.	Are any of the constituents listed in questions will be helpful in confirming	hat is to solu	bilize
	(a) Are the constituents used as chemi	ical carriers?	✓ _{No}
A.B	If yes, list the constituents.		
	(b) Are the constituents used for degree	easing/cleaning	ng?
	If yes, list the constituents.		No
	OILS - WATER, FreDN	111110	E
	(c) Are the constituents used as diluent		
OA 1	If yes, list the constituents.	Yes	∠_No
(d) Are the constituents used as extracta	ants?	 No

	If yes, list the constituents.
	(e) Are the constituents used for fabric scouring? YesNo
	If yes, list the constituents.
	(f) Are the constituents used as reaction and synthesis media? YesNo
	If yes, list the constituents.
	he responses to questions 1 through 6 led the inspector to eve that the waste may be an F-solvent, answer question 7.
7.	Are any of the above constituents spent solvents? (A solvent is considered "spent" when it has been used and is no longer usable without being regenerated, reclaimed, or otherwise reprocessed.) YesNo
8.	If the waste is a mixture of constituents as determined in questions I through 6, give the concentration before use of all the constituents in the solvent mixture/blend. For example:
	5% methylene chloride 2% trichloroethylene 25% 1,1,1-trichloroethane 68% mineral spirits
	If the waste stream is a mixture containing a total of 10% or more (by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.
	With respect to the F003 solvent wastes, if, before use, the waste stream is mixed and contains only F003 constituents, it is a listed waste. For example:
	33% acetone 16% methanol 51% ethyl ether

If the waste stream is a mixture containing F003 constituents and a total of 10% or more of one or more of the F001, F002, F004, and F005 listed constituents before use, it is a listed waste. For example:

50% xylene (F003) 12% TCE (F001) 38% mineral spirits

If in light of the above, the handler appears to be generating F001 - F005 hazardous wastes, refer this facility to the enforcement official for followup actions verifying the use of solvents at the facility.

APPENDIX B TREATMENT STANDARDS FOR F-SOLVENTS

F001-F005 SPENT SOLVENTS	CONCENTRATION (IN MG/L)		
arbon disulfide arbon tetrachloride hlorobenzene resols (and cresylic acid) ycohexanone 2-dichlorobenzene hyl acetate hyl benzene hyl ether obutanol ethanol ethylene chloride ethylene chloride (from the pharmacet industry) ethyl ethyl ketone ethyl isobutyl ketone trobenzene	WASTEWATERS	OTHER WASTES	
Acetone	0.05	0.59	
N-butyl	5.0	5.0	
Carbon disulfide	1.05	4.81	
Carbon tetrachloride	.05	.96	
Chlorobenzene	.15	.05	
Cresols (and cresylic acid)	2.82	.75	
Cycohexanone	.125	.75	
1,2-dichlorobenzene	.65	.125	
Ethyl acetate	.05	.75	
Ethyl benzene	.05	.053	
Ethyl ether	.05	.75	
Isobutanol	5.0	5.0	
Methanol	.25	.75	
Methylene chloride	.20	.73 .96	
Methylene chloride (from the pharmace	eutical	.90	
industry)	12.7	.96	
Methyl ethyl ketone	0.05	0.75	
Methyl isobutyl ketone	0.05	.33	
Nitrobenzene ·	0.66	0.125	
Pyridine	1.12	0.33	
Cetrachloroethylene	0.079	0.05	
oluene	1.12	0.33	
,1,1-Trichloroethane	1.05	0.33	
,2,2-Trichlor 1,2,2-trifluoroethane	1.05	0.41	
richloroethylene	0.062	0.991	
richlorofluoromethane	0.05	0.91	
ylene	0.05	0.96	

	Telephone No:
	RCRA LAND DISPOSAL RESTRICTION GENERATOR CHECKLIST
I.	HANDLER IDENTIFICATION
Ā.	Howmedian 359 Veterans BCVD
c.	D. State E. 210 Code
G.	Nature of Business; Identification of Operations: SIC Code(s)
H.	EPA 10 V
_	Handler Contact (Name and Phone Number)
1.	Handler Contact (Name and Phone Number)
II.	GENERATOL COMPLIANCE
A.	Waste Identification
	1. F-Solvents
	a. Does the handler generate the following wastes?
	(1) - F001) F002, F004, or F005
	(ii) F003 Yes No
	If an F003 vastestream (listed solely for ignitability) has been mixed with a non-restricted solid or hazardous waste, does the resultant mixture exhibit the ignitability characteristic? YesNo
	b. Source of the above: Form 8700-12; Part A ; Part B; Biennial/Annual Reports other (specify)
ating by the F-sol	ndix A is intended to assist the inspector and enforce— official in determining whether the facility is gener— g F-solvent wastes, if such wastes were not identified he facility previously. If you are concerned that livent wastes may be misclassified or mislabeled, turn to addix A-1. To assist in identifying potentially

Inspector: Address:

•	Handler Name: ID Number:
	Inspector:
misclassified F-solvents, Appendix A-2 presents a list corresponding P and W wastes. Note concerns below:	
2. Dioxin vastes	
a. Does the handler report the generation of following wastes? (The following industriance generate listed dioxin wastes: organic chemicals, pesticide or formulator.)	the es
(i) F020 - F023, F026 - F027 Yes (ii) F028 Yes [F-solvent BDAT standards are presented as Appendix B]	No LN6
3. California Waste Identification	
a. Does the facility handle any of the follows vastes?	ng
(i) D002 (ii) D004 - D011 Yes Yes	No No
b. Does the generator handle any hazardous was characterized by high concentrations of half genated organic constituents (HOCs), metals cyanides?	0-
[California viste standards are presented as Appendix C]	No
or U wastes subject to the "soft hammer" the may qualify as California wastes due to HOC metals, or cyanide content? See Appendix D a listing of California constituents likely be found by waste code. Yes	for to
d. Has the generator conducted the paint filter test (Method 9095) [\$268.32(1)]?	
e. Has the generator conducted any testing of these hazardous wastes to determine whether concentrations qualify the hazardous wastes (California wastes?	es No
If no, has the generator retained records documenting his "applied knowledge" that the hazardous waste is not a California waste? Yes	cu-

Coments

^{-/} A potential violation is indicated

			Handler Name: ID Number: Inspector: Date:	
		If "no" is answered to both parts of this question, a violation is indicated. [§268.]	7(a)]	
		Describe the nature of the records:		
4.	f.	Source of the above: Form 8700-12; Part B; Biennial/Annual Report other (specify) wayle and the set Third Waste Identification	•	
		inite waste identification	0	
	4.	Does the generator handle any of the wastes listed as First Third Wastes in §268.10? S Appendix E for listing. List First Third Wastes handled by the generator here:	see N/A	1
			=	
	ь.	Does the generator handle any soft-hammer wastes (Appendices D-1, D-2, and F)? If so list those wastes:) ,	
	c.	Are any of the soft-hammered wastes Califor wastes (see Appendix G)? Yes	nia No	
		If yes, the wastes must meet BDAT standards prior to disposal.		
	d.	Has the Regional Administrator received demonstrations/certifications for all soft hammered wastes to be land disposed [§268.8(a)(2)]? Yes	No*	
	•.	Source of the above: Form 8700-12 ; Part B ; Biennial/Annual Report other (specify)	ert A	
BDA	T Tre	atability Group - Treatment Standards cation	4/	
1.	Does diff conc	the generator mix restricted wastes with erent treatment standards for constituents ern?	of _No	
2.	trea	es, did the generator select the most string tment standard for the constituent of conceres 8.41(b)]?	gent rn No*	
			.1/	

Coments

B.

A potential violation is indicated

		ID Number: Inspector: Date:	
3.	F Solvents		Co
i	a. Did the generator correctly determine to appropriate treatability group [\$268.41 waste (e.g., wastevaters containing sol nonwastevater (i.e., < 1% TOC), pharmac wastevaters containing spent methylene chloride, all other spent solvent wastevaters.	l) of the vents, eutical	
4. C	California Wastes		
	Did the generator correctly determine to distinction between liquid hazardous was non-liquid hazardous wastes that contain concentrations greater than 1,000 mg. [\$268.32(h)]?	stes and	
5. F	irst Third Wastes	No*	
4.	Did the generator ascertain whether rest vastes were appropriately assigned waste or nonvestewater designations (nonvaster are > 1% TOC and > 1% suspended solids) [§268.7(a)]?	vater (U/A
b.	Does the facility handle KO61 wastes? Yes	No	
	If yes, were nonvastewaters appropriatel classified in either the high or low zin subcategories (>15% Zn) [\$268.7(a)] [\$268.41(a)]?	y c No*	
c.	Does the facility handle K101 or K102 was	stes?	
	If yes, were nonwastewaters appropriately classified in either the high or low arse subcategories [\$268.7(a)] [\$268.41(a)]? Yes	T a	
d.	Is there any reason to believe that the gerator may have diluted the waste to chan applicable treatment standard (based on r of process operation, pipe routing, point sampling)?	ge the	

^{*/} A potential violation is indicated

				ID Number: Inspector: Date:	
c.	Vaste	Aralys	<u> </u>		Comments
	1. Di	d the	generator determine whether the waste treatment standards based on \$268.7(a)		
	a.		ledge of waster	· No	¥
		(1)	List vastes for which "applied knowled		s weste
	b.	TCLP	Yes	well or proper p	le sheets.
		(1)	List vastes for which "TCLP" vas used	i P/A	
		(11)	Appendix D lists wastes for which trement standards are expressed as concertrations in waste extract. Were any wastes handled by the generator subjetto waste extract standards not tested using the TCLP? If yes, list:	n-	
	c.	Total	veste analysis Yes	No V	
	d.	If fi basis	les vere retained, describe content an of applied knowledge determination:		
		of tes	termined by TCLP or total constituent sis, provide date of last test, frequenting, and attach test results. Trequency: Thich wastes were subjected to which	ncy	
	,			$\equiv \cdot $	
			ny problems (e.g., inadequate analysis ion of waste composition/generation fo d knowledge)	S. V	

A potential violation is indicated

		ID Number:	
	•	Date:	Comments
	e. Were vagtes tested using TCLP or total contuent analysis when a process or wastestrechanged [\$264.13(a)(3)(i) or \$265.13(a)(3)(i)Yes	. ,	
2.	Did the restricted wastes exceed applicable treability group treatment standards upon generat: [\$268.7(a)(1)]?	eat- ion	
	List those that exceeded standards:		
	List those that did not exceed standards:		
3.	Did the generator dilute the waste or the treat residual so as to substitute for adequate treat [§268.3]	ment	
Han	nagement	_ //	
1.	Onsite management	J	
	a. Were restricted wastes managed onsite?Yes	ANO.	
	If no, go to "2".		
	b. For wastes that exceed treatment standards, treatment in regulated units, storage for greater than 90 days, and/or disposal conducted?	Vas V	
	If yes, TSDF checklist must be completed.		
2.	Offsite Management		
	a. If restricted vastes exceed treatment standards, did generator provide treatment facil notification with each shipment? [268.7(a)(100	
	(1) EPA Hazardous Waste Number? Yes	No*	
	(ii) Corresponding treatment standard?	No*	
	(iii) Hanifest number?	No*	
	(iv) Waste analysis, if available?		

Handler Name:

^{-/} A potential violation is indicated

		ID Number: Inspector:	
	!	ate:	
Identi	restricted vastes do not exceed treatment	(+ 0m	<u>C</u>
fac	restricted vastes do not exceed treatmen andards, did generator provide the dispos clity with a notice and certification cluding:	7	Coucie To
(i)		No* .	· la
(ii) Corresponding treatment standard? Yes	No*	1/Prothing l
	i) Manifest number	No*	Macrie ()
(ii	i) Certification regarding waste and tha means treatment standards? Yes	t it No*	
Identify BDAT cer	land disposal facilities receiving the		
Apponati reco each	the generator's waste is subject to a \$20 by case exemption, a \$268.6 "no migration; or a nationwide variance (see and ix E for restricted wastes subject to onvide variances), does the generator's rds indicate that he or she submits with waste shipment [\$268.7(a)(3)]:	ion"	N/b
Apponati reco each	ption, or a nationwide variance (see indix E for restricted wastes subject to onvide variances), does the generator's rds indicate that he or she submits with waste shipment [§268.7(a)(3)]: EPA Hazardous Waste Number? Yes	ion"	NA
Apponati reco each	ption, or a nationwide variance (see indix E for restricted wastes subject to onvide variances), does the generator's rds indicate that he or she submits with waste shipment [§268.7(a)(3)]: EPA Hazardous Waste Number?	lon"	NA
Appronati reco each	ption, or a nationwide variance (see indix E for restricted wastes subject to onvide variances), does the generator's rds indicate that he or she submits with waste shipment [§268.7(a)(3)]: EPA Hazardous Waste Number? Yes	No*	NA
Appronati reco each	ption, or a nationvide variance (see indix E for restricted vastes subject to onvide variances), does the generator's rds indicate that he or she submits with vaste shipment [§268.7(a)(3)]: EPA Hazardous Waste Number? Yes Yes Corresponding Treatment Standards? Yes Yes All applicable prohibitions? Yes	No*	N/b
exem Appropriati reco each (i) (iii)	ption, or a nationvide variance (see indix E for restricted vastes subject to onvide variances), does the generator's rds indicate that he or she submits with vaste shipment [§268.7(a)(3)]: EPA Hazardous Waste Number? Yes Corresponding Treatment Standards? Yes	No*	NA

	Handler Name: ID Number: Inspector: Date:		er:
Li	st all prohibited wastes for which record not provided per above [§268.7(a)(b):	rds	
Ide sul	entify TSDFs receiving any prohibited wa eject to any exemptions and variances:	stes	
Vas	handler generates a "soft hammer" waste s the generator send with each "soft ha te shipment to a TSDF and retain copies otice that includes [268.7(a)(4)]:	, mmer" of,	NA
	EPA Hazardous Vaste Number?Yes	No*	+
App)	licable prohibitions? Yes	No*	ĺ
The	manifest number? Yes	No*)
Vast	e analysis data, where available? Yes		
(i)	Do the generator's records indicate tany soft-hammer wastes are destined for disposed in a landfill or surface impoundment [§268.33(f)]? Yes	or	
	If yes, list facility of destination waste of concern [\$268.8(a)(2)]	and	
(ii)	Has the generator submitted demonstra- tions and certifications for each "soft-hammered" waste destined to be disposed in landfill or surface impour ment to the Regional Administrator pri to the shipment of waste to the TSDF [\$268.7(a)(2)]? Yes		
(111)	Has the generator retained a copy of t demonstration on site [\$268.8(a)(3)-(a)(4)]?		/
(iv)	Has the generator retained copies of a \$268.8 certifications sent to the TSDF [\$268.7(a)(6)]	- 0	

Comments

		ID Nu Inspe Date:	Number: pector:	
	. (v)	Did-the generator submit the demonstration to the receiving facility upon the intial shipment of the waste [§268.8(a)(3)-(a)(4)]? Yes No*	NIA	
	(vi)	If the Region: Administrator has invalidated the certification, has the generator ceased shipment of the vaste and do records indicate that the generator has informed all receiving facilities of the invalidation [§268.8(b)(3)]?		
E.	Storage of Page	YesNo*	Ψ	
		phibited Waste		
		ibited vastes stored for greater than 90YesNo		
	If yes, va interim st	s facility operating as a TSD under atus or final permit [§262.34(b)]? Yes Not	NIR	
	If yes, TS	DF Checklist must be completed.	1	
F.	Treatment Hein	g RCRA 264/265 Exempt Units or Processes		
	1. Were treats 264/265 exc	ment residuals generated from RCRA empt units or processes?Yes No		
	If yes, lis	st type of treatment unit and processes		
			\bigvee	
	If yes, TSI	OF checklist must be completed.		

Comments

-/ A potential violation is indicated

TRANSPORTER



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

NO L.B.

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

Pléase print or type.	P.O. Box 12820, Albany, New York	12212 For	m Approved, OMB N	o. 2050-0039. Expires 9-30-88
UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPA No. Ma	anifest 2.	Page 1 Inform	nation in the shaded areas required by Federal Law.
3 Generator's Name and Mailing Address 359 VBYBPASS BLVD RU 4. Generator's Phone (201, 507-73	TERRICAD.W.J. 67676	Α.	State Manifest D NY A S Generator's ID	ocument No.
	6. US EPA ID Number	31	JD052077	
	I 10 6 99 2 02	C.	State Transporter Transporter's Pho	
7. Transporter 2 (Company Name)	8. US EPA ID Number	E.	State Transporter	The state of the s
Designated Facility Name and Site Addres	RBBY (SCA CARRICAL SERVI		Transporter's Pho State Facility's IC)
MODEL CITY, MY 14107	ENER ROAD N Y DG 4 98 36	, 6, 79 H.	Facility's Phone (715) 754-	-0231
11. US DOT Description (Including Proper Shi	LUTTION WA-2740 NO 14	12. Containers	Total	14. Unit I. Wt/Vol Waste No.
	04 MITTEL WELLTON ON 14	X X/ D 1	**220	G D002
RAZARDOUS WASTR Lines	TD W O S - WOLDOO	K KI DF	x x220	G D002
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Form 8700-22 (Rev. 9-86) Previous edition is obsole	nto .			

(800) 424-8802 and the N.Y. Department of Transportation (518) 457-7362.

In case of emergency or splil immediately call the National Response Co

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Please print or type.

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

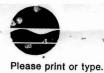
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State of New Jersey Department of Environmental Protection Division of Waste Management CN 028, Trenton, NJ 08625 Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No N J H C 5 2 0 7 7 6 9 2 4	Mandest Coment No	2 Page 1	Informatio	n in the shaded areas uired by Federal law.*
Generator's Name and Mailing Address			A State Manife	st N.I.A	0260595
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4. Generator's Phone (201)	UTHERFORD, NEW JERSEY 07	1070		SAME	
5. Transporter 1 Company Name	2100 ext 502 6 US EPA ID Number		C. State Trans	porter 1 ID	
ATLAS ASSOCIATES	M J D Q Q J 12	51 31 41 .1		8477/6	64a
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TRANSPORTER

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.		2. Page 1 Information	n in the shaded areas lired by Federal Law.
3. Generator's Name and Mailing Address	MG D 05 2 0 77 6			
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State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT

Metro Regional Office 2 Babcock Place, West Orange, N.J. 07052 (201) 669-3960

John J. Trela, Ph.D., Director

April 12, 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 088 604 671

Mr. John Zajac Howmedica 359 Veterans Blvd. Rutherford, N.J. 07070

Dear Mr. Zajac:

The attached Notice of Violations (NOVs) are being sent to you for the violation of New Jersey Hazardous Waste Regulation:

N.J.A.C. 7:26-9.4(d)5

N.J.A.C. 7:26-9.3(a)3

N.J.A.C. 7:26-9.3(b)

N.J.A.C. 7:26-9.6(f)4

N.J.A.C. 7:26-9.7 et seq

Please submit in writing the corrective measures that will be taken to attain compliance.

Should questions arise concerning this matter, feel free to contact me at $(201) \ 669-3960$.

Sincerely

Jodie M. Stein

MFO - Hazardous Waste Management

JMS:pg

New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place West Orange, N.J. 07052 (201) 669-3960



NOTICE OF VIOLATION

ID NO. UJO 052077682 DATE 4-11-90
NAME OF FACILITY ADWNEDICA
LOCATION OF FACILITY 359 Veterans BLVD, Rutherford N5070
NAME OF OPERATOR JOhn Zajac
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed.
These violation(s) have been recorded as part of the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION NTAC M!26-9.4(d) 5: NO daily inspections of Container storage area. USAC M:26-9.3(a) 3: No accumulation start date on containers. NTAC M:26-9.3(b): No written approval from the Dept. to store haz. waste in above ground tanks for 90 days or less. USAC M:26-9.6(Dy: Failure to familiarize local hospital of haz. waste handled. N JAC M:26-9. Medical No Contingency Plan
Remedial action to correct these violations must be initiated immediately and be completed by
Within fifteen (15) days of receipt of this Notice of Violation, you
shall submit in writing, to the investigator issuing this notice at the above address, the corrective
measures you have taken to attain compliance. The issuance of this document serves as notice to you
that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from
initiating further administrative or legal action, or from assessing penalties, with respect to this or other
violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.

ator, Division of Hazardous Waste Management Department of Environmental Protection

DWM-029

GENERATOR INSPECTION REPORT

FACILITY INFORMATION.
FACILITY NAME: Howmedica
FILE NUMBER:
VHT FACILITY FILE NUMBER:
PERMIT #:
REGION: MFO
INSPECTION DATE: 4-10-90
INCIDENT/CASE NUMBER:
INSPECTION TYPE: Generator
RESPONSIBLE AGENCY CODE: 540 8.
INSPECTOR'S NAME: 500ce Stein
INSPECTOR'S AGENCY: NOTOFO
INSPECTOR'S BUREAU: DHWM
EPA ID NUMBER: N50052077692
ADDRESS: 359 Veterans Blvd
Putherford UT 07020
LOT: 73B 69D 68F BLOCK: 219
COUNTY: POR COUNTY: 201-507-7502
FACILITY PERSONNEL: John 20101
TELEPHONE 1: 507-7300 J KUJUWA
OTHER STATE/EPA PERSONNEL:
REPORT PREPARED BY: Jodie Stein
REVIEWED BY: Of Sterling
DATE OF REVIEW: 4-25-90

APR 16 FEETS

TIME IN:				
TIME OUT: _				
PHOTOS TAKEN	() YES	(_) NO	IF YES, HOW MANY?	
SAMPLE TAKEN	() YES	(_) NO	NO. OF SAMPLES	
	*	/	NJDEP SAMPLE ID#:	
MANIFESTS REV	IEWED 🚫	YES (NO 43	
Number of	f manifests i	in compliance	43	
Number of	f manifests r	ot in complia	nce O	
	manifest	document nu	mbers of those manifests	not in

•

FACILITY DESCRIPTION AND OPERATIONS:
- On 4-10-90 Demaly steel a page
Inspection of Harmania a Roll
of distribution of Philippe Interested in Retherford
Inspection at Houmedica in Putherfra adursion of Pfine Hospital Products
The facility Dusonnie spoken to was John Zagoic, Safety managu + Doug Key suna environmentale specialist.
Was Itha Zo die A all former to
+ Jana Kura Capety manage
Apecialist.
Howmedica presently ros 3 shipts:
7:15-3:45; 4:45-1:15; 1:30-4:00, and
emplays 1200 people.
Howmedica is a company that
manufactures orthopaedic reconstruction
Atrauma products, Such as hup & borns
front replacements and a porto
implant for vones etc. There have have
The mitaline colorest chame
alloy, tetanium) and stainless stul
to prevent rusting. Specific touch for
the surgeon to use are also morning at the
feel. These orthopaedic duras and
made with general specs as well as specing
spics.
The annual propries is an all

the way is gone, the devices go into
a large industrial furnace (2) that
suns continuously at approx 2000°F
for 4 hrs. This is where the metal
gets remetted into the aluminum
oxide Shell (mold). when the desired
status is reached; the sprews are
semoved from the furnace and allowed
to cool. Once croled, the aluminum
Oyide Shill of then removed and the
duries are now ready to be refined
Depending upon certain spers some
durces get further heat-treated because
tiny mital dreads need to be added
for a tighter fit. These beads are
applied by hand with adhesive give
then heat-triated for permanent
application Biospillaring
application. Bicaire the metals
acid is add in a contain iron, nitric
acid is used in a passidation process,
which removes the in the strest ream #1)
laura the deventage a fassive
From la consule as an articonosive.
which is in 150 gal tank (wastestream#1) which removes this iron, pitts a fassive layer on the durce as an articonosive. From here, the divire gets rensed in

A-5

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS (continued): In any case all during internality go into a sink-like area for electropolishing to get a smooth shiny surface. Sulfuric phosphoris acid mytime o used for this procedure (constructions)
electropolishing to get a smooth Shiny surface. Sulfurice/ Phosphoric acid myture o used
electropolishing to get a smooth Shiny surface. Sulfurice/ Phosphoric acid myline o used
Shiny Durface. Sulfurio! Phosphoric acid myline o used
Phosphoric acid myline o used
francis and mustine o used
pm this or
wastisteam # 6 ?)
Occasion the slavings from the
process either go bich to the Vende
Sigalarims) or anto a reco
mital dealer)
Dh 100 m here the devices go thru
Op/Oc and then into the suckaging
Mist. There are several decreased
none (15) is a second
111 touch and be
Mit stricklorgethane. The devices are
not sterlined before packaging,
sind they are degreesed so no bil
or factualis are by ton them.
The tour sound out and
le ngood shape. There were 2
han waste storage areas bath
labeled as such & both lineed
in (outdoor) Ore and and

19-7

SUMMARY OF FINDINGS

OPERATIONS (continued):
These areas sumed to be in good
order except for the accum stort
dates where vovis were usund.
The required documents were also
Mening de Minister Were also
Allewed There are 23 min planits
1 00565, Permet from Bergen County
2000 - 40-039 (III May 1/10 to 1/10 to
and and a property of the day
Mannivere formal Mine and
(4,6) $(4,6)$ $(4,6)$ $(4,6)$ $(4,6)$ $(4,6)$ $(4,6)$
11 A7516371) also found, were 2 manufests exact
VX A 5 676894 LDR notification. Therefore,
129111111111111111111111111111111111111
NJA 0240595) for further 15 FFF be mitifued
inforcement.
forcing.
- Clos although they ded not have a
Contingency plan but the time of my visit,
there is a copy enclosed by their proposed
flow in progress. The company
indicated that they ware
the process of developing a pull
Contingence Blown

	Describe the activities that result in the generation of hazardous wast
-gal -6 -	Identify the hazardous waste located on site, and estimate the approx quantities of each. (Identify Waste Codes) - DOOR - Phosphoric /Suffuncacid
100	
	-UDDA - HORMA COLL
	FOOL- Freon (111TCE)
,	
	·
:	
•	
•	

GENERAL.	GENERAL CHECKLIST		
		YES NO N	<u>/A</u>
7:26-7.4(a)1	Does the Generator have an EPA ID number?	<u> </u>	
HAZARDOUS WASTE DI	ETERMINATION		
7:26-8.5(a)	Did the generator test its waste to determine whether it is hazardous?	V	
7:26-8.5(b)	Did the generator determine the hazardous characteristics based upon knowledge of process?		
*	Is the waste hazardous?	1/_	
7:26-8.5(d)	Were test results, waste analysis, or other determinations made in accordance with this section kept for three years from the date that the waste was last sent to an on-site or off-site TSF?		_
MANIFESTS	:		
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient on G-1).	,	
7:26-7.4(a)41	The generator's name, address and phone number.		_
7:26-7.4(a)411	The generator's EPA ID number.		
7:26-7.4(a)4111	The hauler(s) name, address phone number and NJ registration.		_
7:26-7.4(a)41v	The hauler(s) EPA ID number.		_
7:26-7.4(a)4 v	The name, address and phone number of the designated TSD facility.	v/,	
7:26-7.4(a)4v1	The TSF's EPA ID number.		
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.		
7:26-7.4(a)4v11	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?		
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by generator?		

		YES NO N/A
7:26-7.4(3)	Did the generator describe all N.O.S. wastes in Section J?	
7:26-7.4(a)ix	When shipping hazardous waste to a waste reuse facility does the generator enter the waste reuse facility I.D. # in the section G of the Uniform Manifest?	
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:	
7:26-7.4(a)51	Sign the manifest certification by hand?	
7:26-7.4(a)511	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?	
7:26-7.4(a)5111	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?	
7:26-7.4(a)51v	Provide the required numbers of copies for: generator, each hauler, owner/operator of the designated facility, as well as one copy returned to the generator by the facility owner/operator?	
7:26-7.4(a)5 v	Give the remaining copies of the manifest form to the hauler?	~
7.26-7.4(£)	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)	
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?	
7:26-7.4(h)1	If not: Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at (609) 292-8341 to inform the NJDEP of the situation?	
7:26-7.4(h)2	Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?	

7:26-9.3	Accumulation Time
	How is waste accumulated on site?
	(
7:26-9.3(a)1	Is waste accumulated for more than 90 days?

STOP HERE IF THE HAZARDOUS WASTE MANAGEMENT FACILITY (TSF) CHECKLIST IS FILLED OUT.

Short term accumulation standards for generators who accumulate waste in containers and tanks for 90 days or less:

Containers		YES	<u>NO</u>	N/A	
7:26-9.4	What type of containers are used for storage. Describe size, type, quantity, and nature of waste (e.g. 12 fifty-five gallon drums of	53 ga	ul Ol -anic	uns	3
	Waste acetone).		•		
7:26-9.4(d)2	Do the containers appear to be in good condition, not in danger of leaking?	<u>/</u>			
	If no, describe the problem (include number of containers involved.)			a ·	
7:26-9.4(d)41	Are all containers securely closed except those in use?	<u> </u>	_		
7:26-9.4(d)4111	Do the containers appear to be properly handled or stored in a manner which will minimize the risk of the container rupturing and/or leaking?	<u>/</u>	_	_	
7:26-9.4(d)41v	Are containerized hazardous wastes segregated in storage by waste type?	<u>/</u>	_	_	
7:26-9.4(d)4v	Is every container arranged so that its identification label is visible?	\checkmark		_	
7:26-9.4(d)5	Is the container storage area inspected at least daily?	_	1/	_	
7:26-9.4(d)6	Are containers holding ignitable and reactive wastes located at least 50 (fifty) feet (15 meters) from the facilities property line?	_/	/	_	
7:26-7.2(a)	Did the owner/operator conspicuously label appropriate manifest number on all hazardous waste containers that are intended for shipment?	\checkmark	_		
7:26-9.3(a)3	Is each container clearly dated with each period of accumulation so as to be visible for inspection?				

7:26-7.2(b)	Did the owner/operator insure that all containers used to transport hazardous waste off site are in conformance with applicable DOT regulations? (400FP 17)	YES NO N/A
Tanks (Less than	regulations? (49CFR 171, 179) 90 day storage)	
7:26-9.3(Ъ)	Does the generator accumulate hazardous waste on-site in an above ground tank?	
	If yes, describe the tank(s): 1) Capacity 2) Shell thickness 3) Material Construction 4) Age of tank	
7:26-9.3(Ъ)	Does the generator have written approval from the Department to store hazardous waste(s) in this tank(s) for ninety days or less?	/
7:26-9.3(Ъ)1	Does each tank(s) have sufficient shell thickness to ensure the tank will not collapse or rupture as specified by the Department?	
7:26-9.3(b)4	Is the tank(s) designed so that at least 99% of the volume of each of the tanks can be emptied by direct pumping or drainage?	
7:26-9.3(b)5	Is each tank(s) rendered empty (1% or less remaining) every 90 days or less?	
7:26-9.3(b)6	Are all wastes removed from the tank(s) shipped off-site to an authorized facility or placed in an on-site, authorized facility?	
7:26-9.3(b)8	If part of the tank is below grade, is it constructed to allow visual inspection of the tank, comparable to a totally above-ground tank and is is secondary containment provided for the below grade part?	
7:26-10.5(c)1	Are materials which are incompatible with the material of construction of the tank(s) placed in the tank(s)?	
7:26-10.5(c)2	Does the generator use appropriate controls and practices to prevent overfilling?	

7:26-10.5(c)211	For uncovered tanks, is there sufficient (two feet or acceptable documentation) freeboard to prevent overtopping by wave or wind action by or precipitation?	YES	<u>NO</u>	<u>N/A</u>	
7:26-9.3(b)3	Does each tank(s) or storage tank area have secondary containment?				
7:26-10.5(d)1	Is the containment system capable of collecting and holding spills, leaks, and precipitation?				
7:26-10.5(d)11	Is the base underlying the tank(s) free from cracks, gaps, and sufficiently impervious to contain leaks, spills, and accumulated rainfall until the collected material is detected and removed?				
7.26-10.5(d)11	Does the containment system consist of material compatible with the wastes being stored?	_		_	_
7:26010.5(d)111	Is the containment system sloped or otherwise designed to efficiently drain and remove liquids resulting from leaks, spills and precipitation?			_	
7:26-10.5(d)111	Is the tank protected from contact with accumulated liquids?	_		_	_
7:26-10.5(d)1v	Does the containment system have sufficient capacity to contain ten percent of the volume of all tanks or the volume of the largest tanks whichever is greater?				
7:26-10.5(d)2	Is run-on into the containment area prevented?				
•	If not, explain.			\	
7:26-10.5(d)3	Is precipitation removed from the pump or collection area in a timely manner to prevent blockage or overflow of the collection system?				
7:26-10.5(d)4	Is spilled or leaked waste removed from the pump or collection area daily?	_			

		YES NO N/A	
7:26-10.5(d)41	If the collected material is hazardous waste under NJAC 7:26-8, it is managed as a hazardous waste in accordance with all applicable requirements of this chapter?		/
7:26-9.4(g)4	Personnel Training		
	Have facility personnel successfully completed a program of classroom instruction or on-the-job training since six months after the date of their employment or assignment to the facility or to a new position at the facility?	<u>/</u> _	
7:26-9.4(g)5	Has facility personnel taken part in an annual review of initial training?	/	
7:26-9.4(g)2	Is the program directed by a person trained in hazardous waste management procedures and does it include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan to implementation)		_
	relevant to the positions in which they are employed? Is there written documentation of the		_
	following:		
7:26-9.4(g)61	Job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job?	<u> </u>	
7:26-9.4(g)611	A written job description for each position related to hazardous waste management?	<u> </u>	
7:26-9.4(g)6111	A written job description on the type and amount of both introductory and continuing training that has been and will be given to personnel in jobs related to hazardous waste management?		_
7:26-9.4(g)61 v	Documentation of actual training or experience received by personnel?	<u>/</u> _	_
7:26-9.4(g)7	Are training records kept on all current employees until closure of the facility and training records kept on former employees for three years from their last date of employment?	_ _	

		YES NO N/A
7:26-9.6	Preparedness and prevention	
	Does the facility comply with preparedness and prevention requirements including maintaining:	
7:26-96(Ъ)1	An internal communications or alarm system?	
7:26-9.6(b)2	A telephone or other device to summon emergency assistance from local authorities?	
7:26-9.6(b)3	Portable fire equipment, spill control equipment, and decontamination equipment?	
7:26-9.6(Ъ)4	Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray system?	
7:26-9.6(c)	Is equipment tested and maintained?	
7:26-9.6(d)1	Is there immediate access to communications or alarm systems during systems during handling of hazardous waste?	
7:26-9.6(e)	Adequate aisle space (18") to allow unobstructed movement of personnel fire protection equipment, spill control equipment and decontamination equipment?	
	If no, please explain.	
	In your opinion, do the types of waste on site require all of the above procedures, or are some not required?	
	Explain.	
7:26-9.6(£)	Has the facility made the following arrangements, as appropriate for the type waste handled on site:	
7:26-9.6(f)1	Familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled — associated hazardous places where facility personnel would normally be working, entrances and roads inside facility and possible evacuation routes.	

YES NO N/A

7:26-9.6(f)2 Where more than one police and fire department might respond to an emergency, is there an agreement designating primary emergency authority to a specific police or fire department, and agreements with any others to provide support to the primary emergency authority? 7:26-9.6(f)3 Agreements with emergency response contractors, and equipment supplies? New England Pollution control 7:26-9.6(f)4 Arrangements to familiarize local Cont. PIAN hospitals with the properties of hazardous waste handled at the inprogress facility and the types of injuries or illnesses which could result from fires, explosion, or discharges at the facility? 7:26-9.6(f)5 Arrangement with local fire departments to inspect the facility on a regular basis with at least two (2) inspections annually? 7:26-9.6(f)6 If authorities identified in (f)1 through 5, above decline to enter into such arrangements, has the owner, or operator documented this refusal in the operating record. 7:26-9.4(2)8 Are semi-annual drills conducted 10 emergency coordinator involving all employees and 15 19 FIREMAN appropriate local authorities to InternAL Semi-ANNUAL test emergency response drills . capabilities at the facility in accordance with the contingency WILL do wilocals. plan and emergency procedures development pursuant to NJAC 7.26-9.77 7:26-9.4(2)81 If no, did the owner or operator petition the Department for an exemption from the semi annual drills requirement? 7:26-9.4(g)811 Did the owner or operator petition the Department for an exemption excluding some or all local officials in the semi annual drill requirements? If yes, did the owner operator provide those specific local officials with written approval of the exemption?

YES NO N/A 7:26-9.7 Contingency Plan and Emergency Procedures IN progress 7:26-9.7(a) Does the facility have a written contingency plan for emergency procedures designed to deal with fires, explosions, hazards to human health or environment, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents into air, soil or surface water? 7:26-9.7(b) Are provisions of the plan carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment? 7:26-9.7(c) Does the contingency plan describes the actions facility personnel shall take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility? 7:26-9.7(d) Did the owner or operator prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 or 300 or a Discharge Prevention Containment and Countermeasure (DPCC) Plan in accordance with N.J.A.C. 7:1E-4.1 et seq. If yes, did the owner or operator amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this section? 7:26-9.7(e) Does the plan describe arrangements

agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services?

7:26-9.7(f)

Does the plan list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and is this list kept up to date? Where more than one person is listed, one shall be names as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates?

7:26-9.7(g)

Does the plan include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external) and decontamination equipment), where this equipment is required? Is the list up-to-date? In addition, does the plan include the location and physical description of each item on the list, and a brief outline of its capabilities?

7:26-9.7(h)

Does the plan include an evacuation procedure for facility personnel where there is a possibility that evacuation could be necessary? Does this plan describe signal(s) to be used to begin evacuation, evacuation routes, and alternative evacuation routes (in case where the primary routed could be blocked by releases of hazardous waste or fires)?

7:26-9.7(1)

Is a copy of the contingency plan and all revisions to the plan:

- 1. Maintained at the facility;
- 2. Has the contingency plan been submitted to local authorities (police fire departments, emergency response teams)?

7:26-9.7(k)

Is there an employee on site or on call at all times with the responsibility of coordinating, all emergency response measures?

Confidential - Recommendations

TO:	
FROM:	
SUBJECT:	DATE:
	•
•	
s f	

HOWMEdica

APPENDIX A

SOLVENT IDENTIFICATION CHECKLIST

1.	Does the handler generate any of the constituents (i.e., spent halogenated so degreasing) as a result of being used in pure form or commercial grade?	1
	tetrachloroethylene trichloroethylene methylene chloride 1,1,1-trichloroethane carbon tetrachloride chlorinated fluorocarbons	Yes
2.	Does the handler generate any of the constituents (i.e., spent halogenated so being used in the process either in pur commercial grade?	
	tetrachloroethylene trichloroethylene methylene chloride 1,1,1-trichloroethane chlorobenzene trichlorofluoromethane 1,1,2-trichloro-1,2,2-trifluoroethane ortho-dichlorobenzene	Yes
3.	Does the handler generate any of the figure constituents (i.e., spent nonhalogenated result of being used in the process eith commercial grade?	
	xylene acetone ethyl acetate ethyl benzene ethyl ether methyl isobutyl ketone n-butyl alcohol cyclohexanone methanol	Yes
	If the F003 waste stream has been mixed does the resultant mixture and its	ed with a solid waste,

characteristic?

__Yes __No

4.	Does the handler generate any of the following F004 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?
	cresols and cresylic acid nitrobenzene Yes No No
5.	Does the handler generate any of the following F005 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?
	toluene methyl ethyl ketone carbon disulfide isobutanol pyridine Yes No No Yes No No Yes No
6.	Are any of the constituents listed in questions 1 through 5 used for their "solvent" properties that is to solubilize (dissolve) or mobilize other constituents? The following questions will be helpful in confirming this determination.
	(a) Are the constituents used as chemical carriers?
24	If yes, list the constituents.
	(b) Are the constituents used for degreasing/cleaning? Yes No
	If yes, list the constituents.
	OILS - WATER FREDN, 111 1CE
	(c) Are the constituents used as diluents?
OM	YesNoYesNo
,	(d) Are the constituents used as extractants? YesNo

	(e) Are the constituents used for fabric scouring? Yes No
	If yes, list the constituents.
	(f) Are the constituents used as reaction and synthesis media? YesNo
	If yes, list the constituents.
If the	he responses to questions 1 through 6 led the inspector to eve that the waste may be an F-solvent, answer question 7.
7.	Are any of the above constituents spent solvents? (A solvent is considered "spent" when it has been used and is no longer usable without being regenerated, reclaimed, or otherwise reprocessed.) YesNo
8.	If the waste is a mixture of constituents as determined in questions 1 through 6, give the concentration before use of all the constituents in the solvent mixture/blend. For example:
	5% methylene chloride 2% trichloroethylene 25% 1,1,1-trichloroethane 68% mineral spirits
	If the waste stream is a mixture containing a total of 10% or more (by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.
	With respect to the F003 solvent wastes, if, before use, the waste stream is mixed and contains only F003 constituents, it is a listed waste. For example:
	33% acetone 16% methanol 51% ethyl ether

If the waste stream is a mixture containing F003 constituents and a total of 10% or more of one or more of the F001, F002, F004, and F005 listed constituents before use, it is a listed waste. For example:

50%	xylene	(F003)
12%	TCE	(F001)
38%	mineral	
100%		

If in light of the above, the handler appears to be generating F001 - F005 hazardous wastes, refer this facility to the enforcement official for followup actions verifying the use of solvents at the facility.

APPENDIX B TREATMENT STANDARDS FOR F-SOLVENTS

F001-F005 SPENT SOLVENTS	CONCENTRA	ATION (IN MG/L)
- COLTOUS STENT SOLVENTS	WASTEWATERS	OTHER WASTES
Acetone	0.05	0.59
N-butyl	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	.05	.96
Chlorobenzene	.15	.05
Cresols (and cresylic acid)	2.82	.75
Cycohexanone	.125	.75
,2-dichlorobenzene	.65	.125
Ethyl acetate	.05	.75
Ethyl benzene	.05	.053
thyl ether	.05	.75
sobutanol	5.0	5.0
dethanol	.25	.75
lethylene chloride	.20	.96
fethylene chloride (from the pharmace	cutical	.90
industry)	12.7	04
sethyl ethyl ketone	0.05	.96 0.75
fethyl isobutyl ketone	0.05	.33
itrobenzene	0.66	0.125
yridi ne	1.12	0.123
etrachloroethylene	0.079	0.05
oluene	1.12	
1,1-Trichloroethane	1.05	0.33
2,2-Trichlor 1,2,2-trifluoroethane	1.05	0.41
richloroethylene	0.062	0.96
richlorofluoromethane	0.05	0.091
ylene	0.05	0.96 0.15

	RCRA LAND DISPOSAL RESTRICTION GENERATOR CHECKLIST
I.	HANDLER IDENTIFICATION
Ā.	Handler Name B. Street (or other identified)
c.	City D. State B. 2000 Berge
G.	Manufactures orthogenedic devices Nature of Business; Identification of Operations: SIC Code(s)
Ħ.	EPA 1D V
ī.	Handler Contact (Name and Phone Number)
II.	GENERATOR COMPLIANCE Vaste Identification
-	1. F-Solvents
	a. Does the handler generate the following wastes? (1) F001, F002, F004, or F005 No
	(ii) F003 Yes No If an F003 wastestream (listed solely for ignitability) has been mixed with a non-restricted solid or hazardous waste, does the resultant mixture exhibit the ignitability characteristic? Yes No
	b. Source of the above: Form 8700-12; Part A ; Part B; Biennial/Annual Reports other (specify) manufests; RCRA inspection
atin by P-se	endix A is intended to assist the inspector and enforce- t official in determining whether the facility is gener- ng F-solvent vastes, if such vastes were not identified the facility previously. If you are concerned that olvent vastes may be misclassified or mislabeled, turn to endix A-1. To assist in identifying potentially

Inspector:_____Address:_____

Telephone No:

		Handler Name: ID Number:
		Inspector:
misclassi	fied F-solvents, Appendix A-2 presents a list ding P and W wastes. Note concerns below:	
2. [Dioxin vastes	
•	 Does the handler report the generation of following vastes? (The following industri may generate listed dioxin wastes: organi chemicals, pesticide or formulator.) 	the les
[F-solvent	(i) F020 - F023, F026 - F027 Yes (ii) F028 Yes BDAT standards are presented as Appendix B]	No LN6
3. Ca	lifornia Waste Identification	
	Does the facility handle any of the follow wastes?	ing
	(1) D002 (11) D004 - D011 Yes Yes	No ZNo
b.	Does the generator handle any hazardous was characterized by high concentrations of hal genated organic constituents (HOCs), metals cyanides?	Btes lo-
[California	viste stendards are presented as Appendix C	No F
c.	Is the generator handling any of the F, K, or U wastes subject to the "soft hammer" the may qualify as California wastes due to HOC metals, or cyanide content? See Appendix D a listing of California constituents likely be found by waste code.	P,
d.		
€.	Has the generator conducted any testing of these hazardous wastes to determine whether concentrations qualify the hazardous wastes California wastes?	as No
	If no, has the generator retained records do menting his "applied knowledge" that the hazardous waste is not a California waste?	

Coments

⁻ A potential violation is indicated

			Handler Name: ID Number: Inspector: Date:
		If "no" is answered to both parts of this question, & violation is indicated. [\$268.	7(a)]
		Describe the nature of the records:	
4.	f. . Fir	Source of the above: Form 8700-12; Part B; Biennial/Annual Report other (specify) waste Identification	
	4.	Does the generator handle any of the wastes listed as First Third Wastes in \$268.10? S Appendix E for listing. List First Third Wastes handled by the generator here:	n/A
	b.	Does the generator handle any soft-hammer wastes (Appendices D-1, D-2, and F)? If so list those wastes:	=
	c.	Are any of the soft-hammered vastes Califor vastes (see Appendix G)? Yes	No No
		If yes, the wastes must meet BDAT standards prior to disposal.	
		Has the Regional Administrator received demonstrations/certifications for all soft hammered wastes to be land disposed [§268.8(a)(2)]?YesYes	No*
		Source of the above: Form 8700-12 ; Par ; Part B ; Biennial/Annual Report	rt A;
Ide	T Tre	atability Group - Treatment Standards	4/
1.	conce	Yes	_No
2.		es, did the generator select the most string ment standard for the constituent of concers.41(b)]?	ent n No*

Comments

B.

	Handler Name:
	ID Number:
	Inspector:
	Date:
	DE (6:
3. F Solvents -	
. Solventa .	
a. Did the general	
- DAG LINE WENDTHIAD AGENT	
appropriate treatability group [\$268.41] waste (e.g., wastevaters contains	of the
vaste (e.g., vastevaters containing solve nonvastevater (i.e. (17 TOS)	or the
nonvastevater (i.e., < 1% TOC), pharmaceu vastevaters containing solve	:::(3, :::::::::::::::::::::::::::::::::
vastevaters containing spent methylene	(CICAL
chloride, all other spent solvent wastes)	•
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	222
4. California W.	No*
4. California Wastes	
a. Did the generalis	
THE KENPTATOR COTTO	
distinction between liquid hazardous wast	
non-liquid hazardous wastes that contain in concentrations greater than	es and
in concentrations greater than 1,000 mg/kg	
[\$268.32(h)]?	
No.	Wash
5. First Third Wastes	No*
Third Wastes	
a. Did the same	
THE REDEFEIOR SECONDS	cted
vastes were appropriately assigned vasteva	No.
or nonvestevater designations (nonvastevater > 1% TOC and > 1% averaged (nonvastevater)	Are /
	.612
[\$268.7(a)]? Yes	No*
b. Does the facilities has the many	
b. Does the facility handle K061 wastes?	
Yes	No
If yes, were nonvastewaters appropriately classified in either the	
classified in either the high or low zinc	
subcategories (≥15% Zn) [\$268.7(a)] [\$268.41(a)]?	
Yes	No*
C. Does the facility to the	/
c. Does the facility handle K101 or K102 waste	es?/
Yes	No
If yes, were nonwastewaters appropriately	
	c .
subcategories [\$268.7(a)] [\$268.41(a)]?	
Yes	No*
d. Is there any record and the	
	-
applicable treatment standard (based on revi	iev
of process operation, pipe routing, point of sampling)?	£/
Yes /	No

Comments

A potential violation is indicated

		ID Number:	!:
		Inspector:	
		Date:	
_		T T T T T T T T T T T T T T T T T T T	Comments
Vaste	Aralys	<u>19</u>	
1. Di	d the	generator determine whether the waste	
ex	ceeds	treatment standards based on \$268.7(a):	
4.	Knov.	ledge of vastesYesNo	*
	(i)	List vastes for which "applied knowledge"	
		vas used:	y as weste
		0/	with Mouth
b.	TCLP	Yes No	a few spaces
	(i)		(A
		Tool vas used:	<i>-</i> 7
	(11)	Appendix D lists wastes for which treat- ment standards are expressed as concen-	
		TARTONS IN VASTO SYTPACT USES OFF	
		vastes handled by the generator subject to vaste extract standards not tested	
		using the TCLP?Yes No	
		If yes, list:	
			1
c.	Total	veste analysis Yes No	
d.	If fi	les vere retained, describe content and	
	basis	of applied knowledge determination:	1
	If de	termined by TCLP or total constituent	
	- HELY	sis, provide date of last test, frequency sting, and attach test results.	
	Dates	frequency:	
	Note :	which wastes were subjected to which	
	tests		
	tests		
	tests		
	Note a	iny problems (e.g., inadequate analysis, ion of waste composition/generation for	

^{*/} A potential violation is indicated

	ID Numbe Inspecto Date:	
	e. Were wastes tested using TCLP or total constituent analysis when a process or wastestream changed [\$264.13(a)(3)(i) or \$265.13(a)(3)(i)]? YesNo*	Comments
2.	Did the restricted wastes exceed applicable treatability group treatment standards upon generation [\$268.7(a)(1)]?	,
	List those that exceeded standards:	
	List those that did not exceed standards:	
3.	Did the generator dilute the waste or the treatment residual so as to substitute for adequate treatment [\$268.3]Tes*No	
Man	agemen .	1/
1.	Onsite management	Ţ,
	a. Were restricted wastes managed onsite?YesNo	
	If no, go to "2".	
	b. For wastes that exceed treatment standards, was treatment in regulated units, storage for greater than 90 days, and/or disposal conducted? Yes No	
	If yes, TSDF checklist must be completed.	
2.	Offsite Management	
	a. If restricted wastes exceed treatment stand- ards, did generator provide treatment facility notification with each shipment? [268.7(a)(1)]:	
	(i) EPA Hazardous Vaste Number? Yes No*	
	(ii) Corresponding treatment standard?	
	(iii) Manifest number? Yes No*	
	(iv) Waste analysis, if available?	

Handler Name:

 $[\]stackrel{{\scriptscriptstyle \mathsf{L}}}{\mathrel{\mathrel{\smile}}}$ A potential violation is indicated

		nan TD	Number:
		Ins	pector:
		Dat	
			Comments
Id	entify	y offsite treatment facilities	
C	him	Worth in point of in	
		restricted vastes do not exceed treatment	+ Radicic useauch
ь.	If a	restricted vastes do not exceed treatment	corp.
			, , , , , ,
		lity with a notice and certification	
	21102	adding:	2
	(i)	EPA hazardous vaste I.D. number?	
	•	1 / 20	12
		Yes _N	or William
	(11)	Corresponding treatment standard?	10 1
			" N/A working land fill
	/ 1 1 1		Vac. 0
	(111) Manifest number Yes No	
	(iii) Certification records	
		Certification regarding waste and that i	
) ★
Ide	ntify	land disposal facilities receiving the	
DUA	I cert	tified vastes	
			-
c.	If th	O Caparatania	- 1/1
	case	by case exemption 1268.	5 N/D
		by case exemption, a \$268.6 "no migration otion, or a nationwide variance (see	H / 14-5
		WIA E IUI PETFICIAL MARA	
			1
			/
	each	vaste shipment [\$268.7(a)(3)]:	/
	(i)		
	(-)	EPA Hazardous Waste Number?	
		YesNo	* /
	(ii)	Corresponding Treatment Standards?	
		Yes No	. 1
	(111)		•
	(111)	All applicable prohibitions?	
		Yes ' No	•
	(iv)	The manifest number?	
		YesNot	•
	(v)	The date the wastes are subject to	
		prohibitions? Yes Not	
	(t \		
	(vi)	Does generator keep records of all	
		office for the form of the for	
		offsite facilities? Yes No.	

A potential violation is indicated

			Handler Name: ID Number: Inspector: Date:
List all are not p	prohibited wastes provided per above	s for which reco e [§268.7(a)(b):	rds
Identify subject t	TSDFs receiving a o any exemptions	ny prohibited va and variances:	astes
vaste shir	r generates a "so: generator send vii oment to a TSDF ar that includes [268	in each "soft ha	
The EPA Ha	zardous Vaste Num	ber? Yes	No*
Applicable	prohibitions?	Yes	No*
The manife	st number?	Yes	No*
Vaste analy	ysis data, where		
		Yes _	_No
dispo	he generator's reconstant to the soft-hammer wastes osed in a landfill undment [§268.33()	s are destined i	for
If ye	es, list facility of concern [\$268		and
"soft dispo ment to the	he generator submand certification—hammered waste sed in landfill of the Regional American shipment of was 1.7(a)(2)]?	destined to be r surface impou	
(iii) Has the demons (a)(4)	ne generator retainstration on site 	ined a copy of ([\$268.8(a)(3)-	
	e generator retain certifications s		

Comments

- A potential violation is indicated

		ID	Number: pector:	
	(v)	Did-the generator submit the demonstration to the receiving facility upon the intial shipment of the waste [§268.8(a)(3)-(a)(4)]?Yes No.	V/17	Connents
	(vi)	If the Region: Administrator has invalidated the certification, has the generator ceased shipment of the vaste and do records indicate that the generator has informed all receiving facilities of the invalidation [§268.8(b)(3)]?	•	
E.	Storage of Pro	YesNo	* Y	
	 Were prohit days? 	bited wastes stored for greater than 90		
	If yes, vainterim st	s facility operating as a TSD under atus or final permit [§262.34(b)]? Yes No	· N/R	
	If yes, TS	DF Checklist must be completed.	1	
F.	Treatment Hein	g RCRA 264/265 Exempt Units or Processes		
	1. Vere treat: 264/265 exc	ment residuals generated from RCRA empt units or processes? Yes No.		
		st type of treatment unit and processes		
	If yes, TSI	OF checklist must be completed.	•	

-/ A potential violation is indicated

T Y

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

No L.B.

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

ease print or type.	F.O. BOX I	12020, Albany,	New TOIK	12212	Form	Approved. O	MB No. 2	2050-0039	9. Expires 9	-30-88
UNIFORM HAZARDOUS WASTE MANIFEST	ALL COLORS OF CALL PRICE CONTRACTOR AND	's US EPA No.	Doc	nifest cument No	2. 1	Page 1 In of is	nformati not rec	ion in t quired l	he shaded by Federa	areas Law.
3 Generator's Name and Mailing Address 359 VETERALS BLVD. R	otrar pord		1076			NY A		ument	7 1	
4. Generator's Phone (261 , 567-7 ;						D0320		32		
5. Transporter 1 (Company Name)	WEST THE	6. US EPA ID				state Transp		-	1633	
7. Transporter 2 (Company Name)	ALTHOUGH THE	8. US EPA ID		6881		ransporter's		1	4 483	5-21
		11111		1 1 1		tate Transp		and the second	1	
Designated Facility Name and Site Address	SEPT (SCA	10. US EPA ID	Number	CES)	G. S	tate Facilit	v's ID		.4	
P.O. BOX 200 1550 BI MODEL CITY, NY 14107	Lier boa	D			H. F	acility's Ph	one	-		
		B Y DE	78 36	6 79		(716) 7			-	
11. US DOT Description (Including Proper SI	nipping Name, Haz	zard Class and ID	Number)	12. Con		13. Total		14. Unit	· i.	
a WASTE ACETIC ACID SO CORROSIVE MATERIAL	MUTICE M	4-2790 EC	10	No.	Туре	Quanti	ty M	Vt/Vol	Waste	No.
				w wil		***	*	, ·	nans	
b. WESTS KITRIC ACID 40	OR MITRI	C MA-1760	20 18	77	-	**2	20	G I	pe02	
CORROSIVE MATERIAL	EDAY DOG:	2-D006-D0	87)	_					v 4 °	
. HAZARDOUS WASTR LIQU	70 T.O.S.	201000		X X4	DF	XXXX	20	G	D002	
" MA - 9169 CRM-# (RF	A# 7002)	· Mirana							× ×	
				x x3	D. H	XX/	6.5	G J	P602	
d.				1			1 12			
								- 1		
J. Additional Descriptions for Materials lister	Above		1.							
a WATER		1,1,1721	CHLOROR	TEAN		andling Cod	es for V	Nastes	Listed Ab	ove
L-C-E BITRIC ACID AN	B TEEL	M 113,01	LINATES	GRI	a		ᆜ	С	L	-
b NATER	l d					3		300	Γ	\neg \mid
15. Special Handling Instructions and Addition	onal Information	Ma 201 :			b			d		
A) PROPILE . REMEXEE C	62072 PC	R TREATM	Propile	# J.	353.			INK	BTIO	S CE
as some process of	j					PURI				
 GENERATOR'S CERTIFICATION: I he classified, packed, marked and labeled, and are regulations and state laws and regulations. 		contents of this cons	signment are ful ansport by high	ly and accu	rately des	scribed above	by prope	er shippi	ng name an	nd are
If I am a large quantity generator, I certify that I i	nave program in place	to reduce the volume	and toxicity of	waste gener	ated to th	ne degree I ha	eve detern	nined to	ho coonem	
to me and that I can afford.	merator, i nave made	/4	minimize my wa	iste and sel	ect the be	est waste mar	agement	method	that is ava	ilable
rinnowylas J. Kujawa	*	Signature	6 1	K	d'			d ^{Mo.}	5 30	*
17. Transporter 1 (Acknowledgement of Recei	pt of Materials)	1/4	#	, ,	1	No. of Lot, House, No.	3 1	Ш	لتل	
Printed/Typed Name		Signature	See .		21. 3'	7		Mo.	Day	Year
8. Transporter 2 (Acknowledgement or Recei	Dt of Materials)	- State of	* *	., 1		* .		EL	أبل	,
Printed/Typed Name	pr of Materials)	Signature								
Q Diparation I II II								Mo.	Day	Year
9. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification o	f receipt of hazard	dous materials cov	rered by this r	nanifest e	xcent as	noted in I	tem 10			
Printed/Typed Name		Signature					19.			
								Mo.	Day \	Year

TRANSPORTER

EPA



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS 1. Generator WASTE MANIFEST	's US EPA No.	Manifest Document No.	2. Page 1	Information is not requir	in the shaded areas ed by Federal Law.
3. Generator's Name and Mailing Address		171.1.17	A. State Ma	nifest Docume	nt No.
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4. Generator's Phone ()			B. Generato	r's ID	12 acrs 2260
5. Transporter 1 (Company Name) FREEHOLD CARTAGE	6 US EPA ID Number	26184		nsporter's ID	A STATE OF THE REAL PROPERTY.
7. Transporter 2 (Company Name)	8. US EPA ID Number	4 1 7 7 7	COLUMN TOWNS THE PARTY OF THE P	ter's Phone (Proofs (147)Aes
O Declarated Section 1					dintrollinghing
9. Designated Facility Name and Site Address ORP	10. US EPA ID Number		Principal Co.	dia series a b	TO REAL PROPERTY AND ADDRESS OF THE PARTY OF
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11. US DOT Description (Including Proper Shipping Name, Haz	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12. Conta	iners 1	3. 14.	
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15. Special Handling Instructions and Additional Information		A40 37-70	b and a	d	
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1. 24 7/11 1174	8 × 2. 4	· 2 : 200	12 65	, , ₁	" Bull
 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in pre regulations and state laws and regulations. 	contents of this consignment are oper condition for transport by h	fully and accurate	ely described abo	ove by proper shi	pping name and are
If I am a large quantity generator, I certify that I have program in place to	reduce the volume and toxicity of	of waste generated	t to the degree I	Land de la constant	
practicable and that I have selected the practicable method of treatment, shealth and the environment; OR, if I am a small quantity generator, I have method that is available to me and that I can afford.	itorage, or disposal currently ave re made a good faith effort to л	ailable to me which	h minimizes the	present and futi	waste management
Frinted/Typed Name	Signature				Mo. Day Yes
17. Transporter 1 (Acknowledgement of Receipt of Materials)	1,0	4			ं य १°२८°६
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THUL GKAF	Oignature				104P1YZY88
18. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name					
The state of the s	Signature			1	Mo. Day Year
19. Discrepancy Indication Space					
	*				တ
20. Facility Owner or Operator: Certification of receipt of hazard	Oue materials sourced by				570
Printed/Typed Name		is manifest exc	ept as noted i	n Item 19.	(3)
	Signature			N	lo. Day Year
Form 8700-22 (Rev. 9-86) Previous edition is obsolete. COPY	8—Generator—reta	ined by ge	nerator		



State of New Jersey **Department of Environmental Protection Division of Waste Management** CN 028, Trenton, NJ 08625 (Form designed for use on elite (12-pitch) typewriter.)

NO LDR

lease print or type.

Form Approved. OMB No. 2050-0039. Expires 9-30-88

NIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPA ID No.	Dec	Mandest current No	2 Pag			ne shaded areas
Generator's Name and Mailing Address	M JUds 20	776821	9787	-	-	-	by Federal law *
HOWMEDICA COCORPORATED				Docume	nt Number	JAU	260595
955 VETERINS BLVD. RUT 4. Generator's Phone (201) 935-21	THERFORD, NEW J	JERSEY 07	070	B. State	e Gen. ID SAME	3	
5. Transporter 1 Company Name	190 exc 302	US EPA ID Number		C. State	e Transporter 1 ID	,	
ATLAS ASSOCIATES	NJD	199/1/215	5 3 4 3	NJD	EPS 8477		ea `
7. Transporter 2 Company Name .	8	US EPA ID Number	111	D. Tran.	sporter's Phone	0024	
Designated Facility Name and Site Address	10.	US EPA ID Number		E. State	Transporter 2 ID		1.5
MARISOL INC.				F. Trans	sporter's Phone	-	
125 FACTORY LANE MIDDLESEX, NEW JERSEY	08846 NJID	10 0 2 1 1 5 1	4 50 10 1	G. State	Facility's ID	07-1-	***
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11. US DOT Description (Including Proper Shipping Na.	Name, Hazard Class. and ID N	Jumber)	12 Contai	Type	13 Total Quantity	1.4 Unit WI/Vol	I. Waste No.
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16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in proper all applicable state laws and regulations. Unless I am a small quantity generator who has been expen-	er condition for transport by highway a	according to applicable inte	ernational and n	rational govi	I name and are classifi ernment regulations, a	and and	130
Unless I am a small quantity generator who has been exemp also certify that I have a program in place to reduce the volur the method of treatment, storage, or disposal currently ava	me and toxicity of waste generated to t ailable to me which minimizes the pre	the degree I have determine esent and future threat to t	zation certificati od to be economi human, health, a	ion under Se ically practi	cation 3002(b) of RCR/ catile and I have select	A, I led	Date
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18. Transporter 2 Acknowledgement of Receipt of Mat	tenals	10 1×	V	· ci	<u> </u>	_0	4981
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STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

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-	er 2 (Company I		PRANT ZA	8. US EPA		2 6	321 D.	Transporter's State Transpo	Phone (201 465-
9. Designate	ed Facility Name	and Site Addre	200			\perp] F.	Transporter's	Phone (),
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a. WAST	Description (Inc	uding Proper S	nipping Name, Ha	azard Class and	ID Number)	12. N	Container:	Total	14. Unit	
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7. Transporter			of Materials)	Dow	160-	<u>. 1</u>	Tufe.	1.12	10	
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0. Facility Own	ner or Operator:	Certification of	receipt of hazard	lous materials co	overed by this	manifes	t except a	s noted in Iten	n 19.	
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New Jersey Department of Environmental Protection Division of Hazardous Waste Management 2 Babcock Place West Orange, N.J. 07052 (201) 669-3960



NOTICE OF VIOLATION

ID NO. UJD 052077682 DATE 4-11-90
NAME OF FACILITY ADWINEDICCI
LOCATION OF FACILITY 359 Vetrans BLVD, Rutherford N5070
NAME OF OPERATOR JOHN Zajac
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION NJAC M!26-9,4(d) 5: NO daily inspections of Container storage area. USAC 4:26-9,3(9)3: No accumulation start date on containers. NJAC 7:26-9,3(b): No written approval from the Dept. to store haz. waste in above ground tanks for 90 days or less. USAC M:26-9,6(1)4: Failure to familiarize local hospitals of haz. waste handled. NJAC M:26-9, Mexical No contingency Plan
Remedial action to correct these violations must be initiated immediately and be completed by
Within fifteen (15) days of receipt of this Notice of Violation, you
shall submit in writing, to the investigator issuing this notice at the above address, the corrective
measures you have taken to attain compliance. The issuance of this document serves as notice to you
that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from
initiating further administrative or legal action, or from assessing penalties, with respect to this or other
violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.
· ·

Investigator, Division of Hazardous Waste Management

Department of Environment Production of Hazardous Waste Management

Department of Environmental Protection

Howmedica OSTEONICS

NAD 052077682

February 11, 2004

Stryker Orthopaedics

325 Corporate Drive, Mahwah, New Jersey 07430

New Jersey Department of Environmental Protection Hazardous Waste Regulation Program P.O. Box 414 Trenton, NJ 08625-0414

(609)-984-2121

Fax Copy 609-633-9839

Subject: Existing Hazardous Waste Generator Site Closure

Facility ID No. NJD-052077682

Rutherford, New Jersey

Dear Becky:

Stryker Howmedica Osteonics is sending this letter to confirm our conversation and inform your office of the closure of our Ruther ord, New Jersey facility in its entirety. The facility ceased operation in June 2003 and has removed all equipment and completing all ISRA requirements to date. Please be advised the property was sold the end of January 2004 and no hazardous waste was generated or shipped for year 2004. I will forward the completed 2003 waste report as per the instructions.

Please close all permits for this generator site related to Generator ID NJD-052-077-682 effective immediately and provide confirmation the Mahwah office at the listed address or by fax. You may contact me if you have any concerns with this matter.

Ed Gusciora

Facilities Project Team Stryker Orthopaedics

(Formerly listed as Stryker Howmedica Osteonics) 325 Corporate Drive, Mahwah, NJ 07430

Phone: 201-831-5730 Cell 201-376-3280 Fax 201-831-4730

EGUSCIORA@howost.com

PAGE. 01

deart. 2-11-04



ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

05/31/99

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER •

NJD052077682

INSTALLATION NAME

HOWMEDICA OSTEONICS CORP

INSTALLATION ADDRESS

359 VETERANS BLVD RUTHERFORD, NJ 07070

MAILING ADDRESS -

359 VETERANS BLVD RUTHERFORD, NJ 07070

EPA Form 8700-12AB (4-80)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 2 290 BROADWAY, 22nd Floor NEW YORK, NEW YORK 10007-1866

ATTN: DIV OF ENVIRON PLANNING & PROTECTION RCRA PROGRAMS BRANCH

TO: ZAJAC, JOHN
MGR ENV ENGR
359 VETERANS BLVD
RUTHERFORD, NJ 07070



ACKNOWLEDGEMENT OF NOTIFICATION OF

HAZARDOUS WASTE ACTIVITY

12/07/98

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER →

NJD052077682

INSTALLATION NAME →

STRYKER ACQUISITION CORP

INSTALLATION ADDRESS →

359 VETERANS BLVD RUTHERFORD, NJ 07070

MAILING ADDRESS →

359 VETERANS BLVD RUTHERFORD, NJ 07070

EPA Form 8700-12AB (4-80)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 2 290 BROADWAY, 22nd Floor NEW YORK, NEW YORK 10007-1866

ATTN: DIV OF ENVIRON PLANNING & PROTECTION RCRA PROGRAMS BRANCH

TO: ZAJAC, JOHN
ENVIRON ENGR
359 VETERANS BLVD
RUTHERFORD, NJ 07070

Change (Ourse)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

orm Approved CMB No 2050-0028 Expres 100/195

Please refer to Section V. Line-by-Line instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

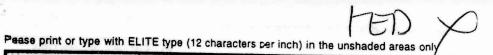
Notification of Regulated Waste Activity

A JEN Date Received (For Official Use Only) 98 DEC - | AM 10: 32

Recovery Act). United States Environment		Protection Ag	ency	HAZZ	RDDUS			Eng
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)					Danni	Ho.	LIM NO	M. J. S.
A. Initial Notification X B. Subsequent Notification	n	C.	Installati	on's EPA	A ID Nur	nber	-	
(Complete Item C)		NJD	0 5	2 0	17	7 6	8	2
II. Name of installation (Include company and specific site name	•)							
S T R Y K E R A C Q U I S I	TI	ON			_	1	1	
III. Location of Installation (Physical address not P.O. Box or Ro	oute Num	ber)		OR	PII		1 1	
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RUTHERFORD		State	Zip C	ode				
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B E R G E N			1 1					
V. Installation Mailing Address (See Instructions)								
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/. Installation Contact (Person to be contacted regarding waste	activities.				1 1			
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ob Title	J . 0						! ;	
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Name of Installation's Legal Owner								
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Form 8700-12 (Rev. 10/09/96)	P		X		1112	2 0	4 9	8

GSA NO CZ46 EPA C" 98 DEC - 1 AM 10: 32 D - For Official Use Only VIII. Type of Regulated Waste Activity (Mark IX in the appropriate boxes. Refer to instructions) A. Hazardous Waste Activity B. Used Oil Recycling Activities 1. Generator (See Instructions) 3. Treater, Storer, Disposer (at **Used Oil Recycling Marketer** installation) Note: A permit is a. Greater than 1000kg/mo (2,200 lbs.) a. Marketer Directs Shipment of Used b. 100 to 1000 kg/mo (220-2,200 lbs.) required for this activity, see Oil to Off-Specification Burner c. Less than 100 kg/mo (220 lbs) instructions. b. Marketer Who First Claims the 2. Transporter (Indicate Mode in boxes 1-Used Oil Meets the Specifications 4. Hazardous Waste Fuel Used Oil Burner - Indicate Type(s) 5 below) a. Generator Marketing to Burner a. For own waste only of Combustion Device b. Other Marketers c. Boilerand/orindustrial Furnac a. Utility Boller b. For commercial purposes b. Industrial Boiler 1. Smelter Deferral c. Industrial Furnace Mode of Transportation 2. Small Quantity Exerne Used Oil Transporter - Indicate 1. Air Indicate Type of Combustium Type(s) of Combustion Device(s) 2. R&# Device(s) a. Transporter 3. Highway 1. Utility Boller b. Transfer Facility 4. Water 2 Industrial Boiler Used Oil Processor/Re-refiner -5. Other - specify 3. Industrial Furnace Indicate Type(s) of Activity(les) 5. Underground Injection Control & Process b. Re-refine IX. Description of Regulated Wastes (Use additional sheets if necessary) A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' In the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24) 1. lonitable 3. Reactive 4. Toxicity (List specific EPA hezardous waste number(s) for the Toxicity characteristic (0001) (D002) (D003) Cherecteristic contaminent(s)) X X X B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See Instructions if you need to list more than 12 waste codes.) 2 5 D 0 0 D 0 6 0 | 0 D 0 0 8 0 b 1 8 9 10 11 12 0 F 0 0 3 C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See instructions.) 2 3 5 6 X. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature Name and Official Title (Type or print) **Date Signed** DAVID J. STUPSON, V.P. SECRETARY 11-30-98 XL Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)



Form Approved. OMB No. 2050-0028 Expires 103* 99 GSA No. 0246-EPA-OT

Notification of Regulated Waste Activity

Date Received (For Official Use Only)

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VIII. Type of Regulated Waste Activity (Ma	rk 'X' in the appropriate boxes. Refer to Instr	uctions)
A. Hazardous W		B. Used Oil Recycling Activities
1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (220-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) 2. Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify	b. Other Marketers c. Boilerand/or Industrial Furnace 1. Smelter Deferral 2. Small Quantity Exemption Indicate Type of Combustion Device(s) 1. Utility Boiler 2. Industrial Boiler 3. Industrial Furnace Underground Injection Control	1. Used Oil Recycling Marketer a. Marketer Directs Shipment of Used Oil to Off-Specification Burner b. Marketer Who First Claims the Used Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device a. Utility Boiler b. Industrial Boiler c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) a. Process b. Re-refine
IX. Description of Regulated Wastes (Use	additional sheets if necessary)	
nonlisted hazardous wastes your install	OUS Wastes. (Mark 'X' in the boxes corresponding handles; See 40 CFR Parts 261.20 - 261 4.Toxicity Characteristic (List specific EPA hazardous wascontaminant(s))	onding to the characteristics of 1.24) ste number(s) for the Toxicity characteristic
x x		
B. Listed Hazardous Wastes. (See 40 CF) 1 D 0 0 5 7 D 0 2 2 F 0 0 3		5 6 D 0 0 9 D 0 1 1 11 12
C. Other Wastes. (State or other wastes re		e instructions.)
	3 4	
X. Certification		
a system designed to assure that qualified p	or those persons directly responsible for gather the accurate, and complete, I am aware that the	my direction or supervision in accordance with ormation submitted. Based on my inquiry of the ering the information, the information submitted ere are significant penalties for submitting false
Signature .	Name and Official Title (Type or pr JACK CZAJKOWSKI V.P. MANUFACTURING OPER	int) Date Signed ATIONS 5/17/99
		•
XI. Comments	:	
Stryker Acquisition Corp, t	the operator, was merged into	Osteonics Corp., which
changed its name to Howmed	ica Osteonics Corp.	
	ate EPA Regional or State Office. (See Section	n III of the booklet for addresses.)

SEPA	NOTIFICATION OF HAZARDOUS WASTE ACTIVITY	INSTRUCTIONS: If you received a preprinted
INSTALLA- TION'S EPA I.D. NO.		label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is
I. STALLATION	MJD052077682	in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted
INSTALLA- TION II. MAILING ADDRESS	HOWMEDICA ING 359 VETERANS BOULEVARD RUTHERFORD, NJ 07070	label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFI-
LOCATION III. OF INSTAL- LATION	359 VETERANS BOULEVARD RUTHERFORD, NJ 07070	CATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).
FOR OFFICIAL		THE REPORT OF THE PARTY OF THE
C C 15 16	COMMENTS	55
INSTALLATI	ON'S EPA I.D. NUMBER APPROVED (yr., mo., & day)	
FINDUIO	13 14 15 16 17 22	
I. NAME OF INS		
Howmed	ica Inc. Orthopaedics Di	v i s i o n
II. INSTALLATIO	ON MAILING ADDRESS STREET OR P.O. BOX	SALES CHEAT CHEAT
3		
15 16	CITY OR TOWN ST. ZIP	45 CODE
4		
III. LOCATION (DF INSTALLATION A0 41 42 47	- 51
c I I I I I	STREET OR ROUTE NUMBER	
5 15 16		
	CITY OR TOWN ST. ZIP	45 CODE
6		
IV. INSTALLAT	ON CONTACT	51
	NAME AND TITLE (last, first, & job title)	PHONE NO. (area code & no.)
2 Cecer	e Emill Plant Engineer	2 0 1 - 9 3 5 - 2 1 0 0 45 46 - 46 49 - 51 52 - 55
V. OWNERSHIP	A. NAME OF INSTALLATION'S LEGAL OWNER	
8 Howme	dica, Inc.	
B. TYPE OF C		nter "X" in the appropriate hov (es)
F = FEDERAL M = NON-FED	X A. GENERATION ☐ B. T	RANSPORTATION (complete item VII)
VII. MODE OF T	RANSPORTATION (transporters only – enter "X" in the appropriate b	
G1 A. AIR	B. RAIL GSC. HIGHWAY G4 D. WATER G5 E. OTHER	
Mark "X" in the app	UBSEQUENT NOTIFICATION repriate box to indicate whether this is your installation's first notification of haze to notification, enter your Installation's EPA I.D. Number in the space provided be notification, enter your Installation's EPA I.D.	ardous waste activity or a subsequent notification. elow.
	NOTIFICATION B. SUBSEQUENT NOTIFICATION (complete item	C. INSTALLATION'S EPA I.D. NO.
	N OF HAZARDOUS WASTES rese of this form and provide the requested information.	2000年中國共產黨等
case go to the reve	or the form and provide the requested information.	

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LAZARDOUS WASTES ERO				10.050	and the sale of
. HAZARDOUS WASTES FRO waste from non-specific sour	ces your installatio	n handles. Use addition	tour—digit number from the same of the sam	m 40 CFR Part 261.31	for each listed hazardous
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7	8	9	10	11	12
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HAZARDOUS WASTES FRO	M SPECIFIC SOLIE	CES Enter the four	23 - 26	23 - 26	23 - 26
specific industrial sources your	r installation handle	es. Use additional sheet	s if necessary.	FR Part 261.32 for eac	in listed hazardous waste f
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COMMERCIAL CHEMICAL P	RODUCT HAZAR	DOUS WASTES. Enter	the four dials such a	6 40 OFF P - 000	.33 for each chemical sub
stance your installation handle	s which may be a h	azardous waste. Use ad	ditional sheets if necess	ary.	
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LISTED INFECTIOUS WASTE	S. Enter the four-	-digit number from 40	CFR Part 261.34 for ea	ch listed hazardous was	ste from hospitals, vetering
nospitals, medical and research	Taboratories your r	installation flatfules. Osi	additional sheets if ne	cessary.	
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HARACTERISTICS OF NON	-LISTED HAZAR	DOUS WASTES. Mark	"X" in the hoves corre	23 - 26	23 - 26
azardous wastes your installati	ion handles. (See 4	0 CFR Parts 261.21 -	261.24.)	sponding to the charac	teristics of non-listed
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CERTIFICATION					
certify under penalty of l tached documents, and the believe that the submitted itting false information, inc	information is to	me accurate and a	madais immediately	h the information so responsible for obt that there are signi	ibmitted in this and a aining the information ficant penalties for sub
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